

THE  
ARCHITECT  
& BUILDING NEWS

28 JANUARY 1959

VOL. 215

NO. 4

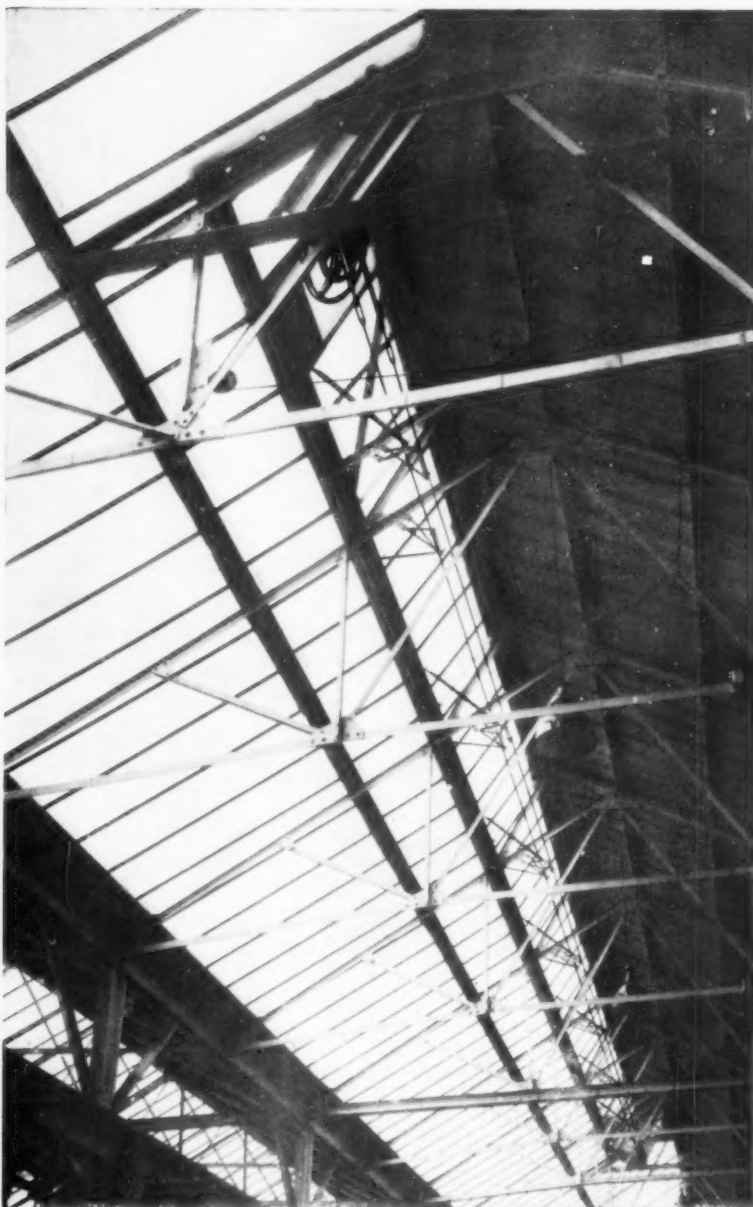
ONE SHILLING WEEKLY

**NEW YEAR NUMBER**

PUBLISHED IN LONDON SINCE 1854

WHERE SIMPLE OR COMPLICATED SCHEMES OF VENTILATION ARE INSTALLED, AND THE OPERATION IS REQUIRED, BY REMOTE CONTROL OR OTHERWISE, AND THE WINDOWS HAVE ANY OF THE FOLLOWING CHARACTERISTICS:—

- OPENING OUTWARDS
- OPENING INWARDS
- TOP HUNG
- HORIZONTAL CENTRE-HUNG
- BOTTOM HUNG
- VERTICAL PIVOT HUNG
- SIDE HUNG
- HORIZONTAL SLIDING
- VERTICAL SLIDING



The illustration shows One Set of Electrically operated Twin Tension Rod gear with Counter-Balance Unit operating one continuous opening light 74' 0" long x 5' 0" deep. Note the Spiral Balance Wheel fitted at the end Sprocket.

*Always Specify* **WINDOW OPENING GEAR** *for*  
SKYLIGHTS, LANTERN LIGHTS, CLERESTORY LIGHTS, FANLIGHTS, SIDE WALL  
LIGHTS IN WOOD OR METAL WINDOWS, OR IN PATENT GLAZING, ROOF LIGHTS  
AND BENCH LIGHTS IN GREENHOUSES, DAMPERS, TRAP DOORS, SHIPS SKYLIGHTS, ETC.  
HAND - OPERATED—ELECTRIC—HYDRAULIC—REMOTE CONTROL  
*by* **WILLIAM NEWMAN & SONS LTD.**  
HOSPITAL STREET, BIRMINGHAM  
GEARING DEPT. BRANCH WORKS 3, WELLHEAD LANE, PERRY BARR, BIRMINGHAM





**FOR HOUSING-MULTI STOREY FLATS-SCHOOLS-OFFICES-FACTORIES  
HOSPITALS-CHURCHES-PAVILIONS & ALL SIMILAR CONTRACTS**

MODOLITE construction with its wide range of units provides for all requirements in this interesting field of architectural design. Our technical staff will be pleased to prepare full working drawings and quotations against outline details.



**Putney Hill Maisonnettes.**  
Speculative development  
by Unit Construction  
Co. Ltd.

**St. Andrews School (Ext.)**  
Southgate.  
Borough Engineer:  
J. T. W. Frost, Esq.,  
A.R.I.B.A.  
Architect:  
D. A. Pettit, Esq.,  
A.R.I.B.A.  
General Contractor:  
Stewart & Partners  
Ltd.



**House at Godalming.**  
Architect: Roger Worboys, Esq., M.A., A.R.I.B.A.  
Contractor: Jackson & Gocher, Godalming.



**MODOLITE PROVIDES THE ANSWER**

Available on request:—

MODOLITE Standard window catalogue.  
MODOLITE Economy range window leaflet.  
MODOLITE Curtain wall brochure.



**H.C. JANES LIMITED** • Barton • Bedfordshire

Tel: HEXTON 364/5

# Key Plan

## TO CUT YOUR BUILDING COSTS

**Outlay on pipes is only a fraction of the cost of a drainage installation.** In winter one out of every five days is lost when putting in conventional pipes. With Key pipes, however, the job still goes ahead cutting out unproductive labour, keeping down overheads and therefore cutting costs.

**Now you can keep to schedule** Delays are negligible with Key pipes, because they can be laid and tested in almost any weather, even despite bad ground. Pre-planning with Key can be done accurately, so that operations are smoothly sequenced and closely dovetailed. Snags are avoided and schedules kept or bettered.

**Urgency on large projects** When your normal drainlaying team is too small for a big rush job, work can still go ahead successfully, by making up with semi-skilled men.

**COST OF A  
DRAINAGE INSTALLATION**  
= COST OF LABOUR

+ COST OF OVERHEADS

+ COST OF HOLD-UPS

+ COST OF SITE DISRUPTIONS

+ COST OF MATERIALS



### BRITISH STANDARD KITE MARK

Key pipes comply with BS2760 1956. They are the first pitch fibre drainpipes to carry the British Standard 'Kite' Mark. This is a guarantee of quality and means that the Inspectors of the British Standards Institution have access to our pipe factory at any time.

**Use KEY  
and cut  
this total cost**

# THE JOB GOES AHEAD -against all odds

**Rain?** Driven taper joints give Key an immediate advantage over cement-jointed rigid pipes, which cannot normally be laid in waterlogged trenches. Runs can be prefabricated at ground level, lowered into prepared trenches and tested immediately.

**Frost and Snow?** Here again the taper joint means that work can still go ahead with Key. In fact frosty days are usually ideal for laying these modern drainpipes.

**Bad Ground?** Key pipes do not have to be laid in concrete, and haunched, on bad ground. Being resilient, they are better without concrete. The savings in skilled labour, time and cost are obviously considerable.

**Site Congestion?** Open trenches and pumping equipment normally cause hold-ups on site in wet weather. Immediate laying, testing and backfilling with Key pipes overcome this problem and keep traffic flowing.

**Hot Sun and Drying Winds?** Even good weather can be bad weather when pipes have to be mortar-jointed. This problem never arises with Key pipes.

## More advantages of KEY PITCH FIBRE PIPES

**No corrosion** Remarkably resistant to acids and alkalis.

**No root growth** The close fitting tapered joints are machined to close limits.

**No cracking through settlement** Natural resilience means that pipes will not crack through normal earth movement.

**Faster laying—fewer breakages** 500 ft. an hour is a modest average with semi-skilled labour. A trench can be excavated, the drain laid, tested and backfilled in a day. Long lengths, toughness and resilience mean fewer breakages.

**Widely approved** Most public authorities and relevant professional bodies have given their approval.

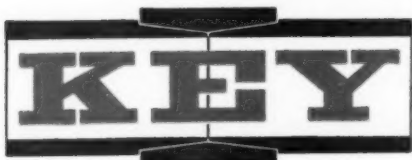
**Lower handling costs** Your unloading and handling costs will be cut by 75% because Key Pitch Fibre pipe is only one quarter the weight of salt glaze ware. It is available in the same diameters, in convenient 8 ft. lengths.

### Ask for a demonstration

A practical demonstration of the advantages of Key pipes can be arranged at any time through your merchant, who will also supply any quantity you require within a matter of hours.



**SPEED THE JOB—CUT THE COST WITH**



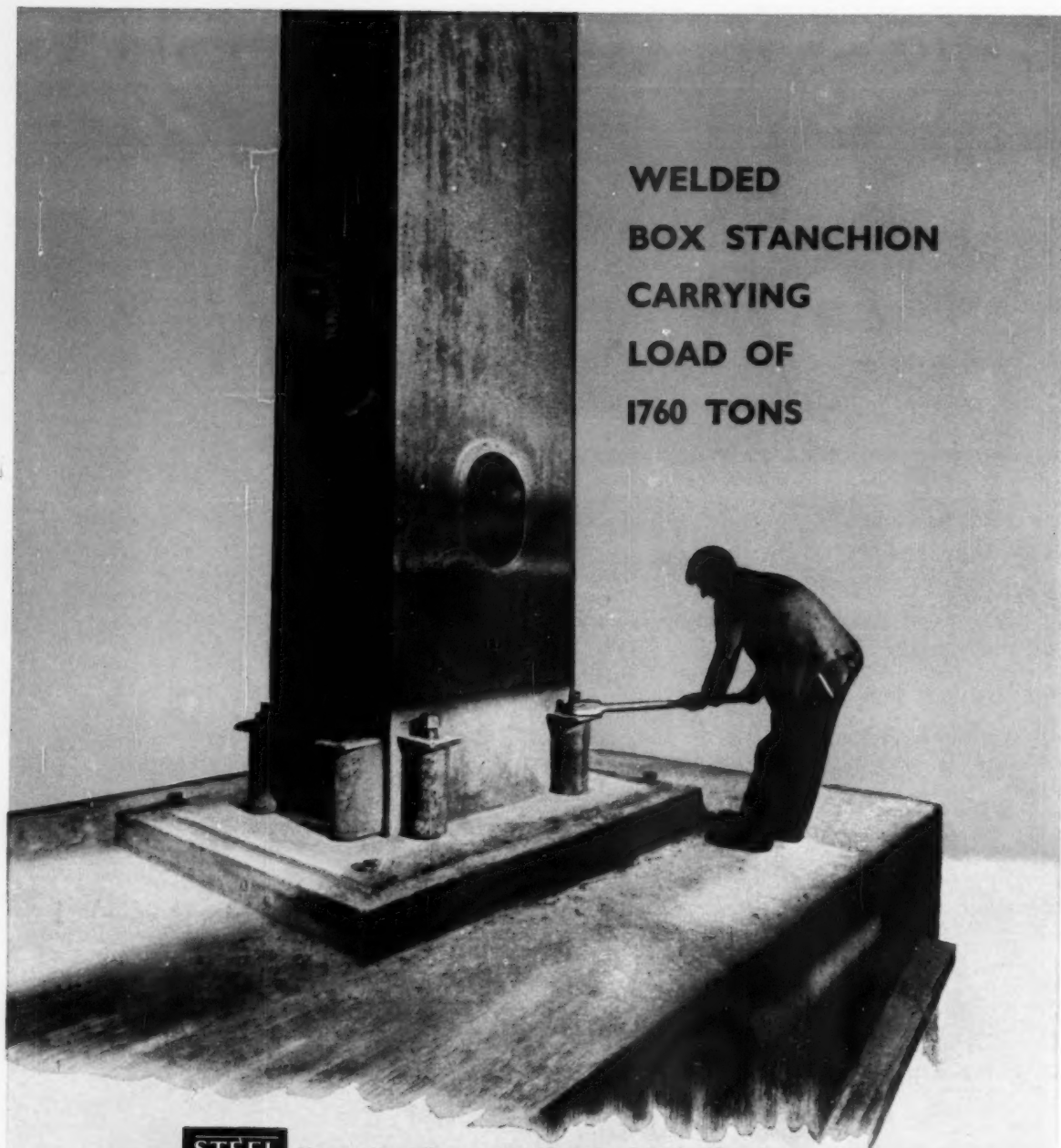
**PITCH FIBRE PIPES**  
THE WORLD'S FINEST AND MOST MODERN DRAINAGE SYSTEM

A PRODUCT OF **THE KEY ENGINEERING COMPANY LIMITED**

LARKFIELD, NR. MAIDSTONE, KENT. TELEPHONE: MAIDSTONE 7461 AND 7233



TGA KD17



**WELDED  
BOX STANCHION  
CARRYING  
LOAD OF  
1760 TONS**



Kincardine Generating Station for the South  
of Scotland Electricity Board.

Consulting Engineers:

Messrs. Kennedy & Donkin

Messrs. James Williamson & Partners

**STEELWORK BY  
REDPATH BROWN**

Branches : Edinburgh, Glasgow, London and Manchester





## monthly review by

WILLIAMS &amp; WILLIAMS

## 'WALLSPAN' FOR NEW B.O.A.C. WING HANGAR

**1** Both ends of this vast new maintenance hangar at London Airport are glazed by Williams & Williams—the 2-story central workshop block being emphasized by a panel of 'Wallspan' set in a projecting concrete frame. Aluminium windows are set in the 'Wallspan' grid and three types of opening lights—top-hung, projected, and vertical-pivoted are incorporated. The spandrel panels are Vitrosab.

The basic design is an interesting solution to a recurrent problem in the design of aeroplane hangars whose height, after allowing for high-level services, is dictated solely by the tail-fin height of the various aircraft to be accommodated. Airliner design in recent years has tended towards increasing tail heights, and the hangar designer has been faced with a difficult economic problem since every foot of increased height is reflected in increased capital cost and higher heating, lighting and maintenance costs. Whatever height is decided upon may still prove inadequate for some new aircraft a few years hence. But on the other hand a reversal of the present trend—airliners designed on the Delta configuration for example—would result in hangar height becoming so much wasted space.

The new B.O.A.C. Wing Hangar, as the name implies, is designed to accommodate only the wings and fuselage of the aircraft—the sliding doors are shaped to close around the rear fuselage leaving the tail unit outside. Engines, undercarriage, flight deck, passenger cabin, wing fuel tanks and wing control surfaces—the usual objects of routine maintenance—are all under cover.

The reinforced concrete structure consists of a pair of hangar pens, each with a completely unobstructed 565 ft. wide opening and depth of 110 ft. arranged back-to-back but separated by a central two-floor workshop block. The hangar pen roofs are suspended by ties from this central block.

## 'ALOMEGA' WINDOWS FOR CORNISH COMFORT

**2** This study flat is high up, midway between the coasts of Cornwall. The client wanted big windows for the

sake of the panoramic views across to St. Ives but had misgivings about draughts. The architects' solution to his problem was to install 'Alomega' double hung sashes—heads, sills, jambs, and meeting rails all designed with integral weather-stripping to keep draughts out, even in a blustery south-wester coming across thousands of miles of Atlantic! Other reasons for specifying 'Alomega'—**no maintenance**: no cords or counter weights or balances to go wrong; no painting because the windows are all-aluminium: **easily adapted to a 3 ft. building module**: the 2 ft. 8½ in. width was used—others from 1 ft. 2½ in. to 3 ft. 5½ in.: **ideal combination with picture window**—see illustration opposite.

Last (but not least in these Subtropical days), the sash window is considered in a special way to be the window for the West Country and 'Alomega' happily combines the technical resources of today with the graceful design of the eighteenth century.

A further advantage which was not applicable in this particular instance, but of considerable value in congested urban sites, is the fact that with 'Alomega' the building can come right up to the building line.

## NEW STANDARD WINDOWS CUT SITE COSTS—NEED ONLY ONE COAT OF PAINT

**3** Williams & Williams standard domestic windows to BS 990 in both 1 ft. 8 in. and 2 ft. ('Z' range) modules are now available electro-galvanized, primed and painted. The windows are processed in an entirely automatic plant which is believed to be the largest of its kind in the world.

The assembled frames are loaded on to a conveyor—chemically cleaned, etched and electro-galvanized. Still on the same mechanical conveyor, the windows are dipped in a primer bath and stoved for 25 minutes at 310°F. They then receive a sandy-beige coat and are finally stoved a further 25 minutes—again at 310°F. The paint technology of the operation has been worked out in collaboration with ICI and the second coat is their beige No. B215/166/2.

This process offers four major advantages:

1. Since the human element is elimi-

nated, a much more even distribution of paint is assured.

2. All surfaces of the frames are painted, including those which will be in contact with the masonry and which in the ordinary course of events could not be painted.

3. The fact that both primer and second coat are stoved lends greater durability to the paint giving together with the galvanizing coat an efficient triple protection to the steel surface.

4. The second stoved coat can be regarded as an undercoat. Because of its light shade only one finishing coat need be applied on site.

WILLIAMS & WILLIAMS  
RELiance WORKS · CHESTER

Member of the Metal Window Association

**1** B.O.A.C. WING HANGAR, LONDON AIRPORT

Engineers for reinforced concrete structure: Sir Owen Williams & Partners.

New Works Manager, B.O.A.C.: L. B. Haley, M.ENG., A.M.I.C.E., A.M.I.H.V.E.

General Contractors: W. & C. French Limited.

**A** General view—note the tails of Britannia aircraft protruding from the hangar pen on the extreme right of the photograph.

**B** Detail of the 'Wallspan' on the central workshop block—3 types of opening lights can be seen in the aluminium windows. Note the permanent railway along the cornice for the cleaners' cradle.

**2** 'LITTLE TREFEWA', PRAZE, CORNWALL

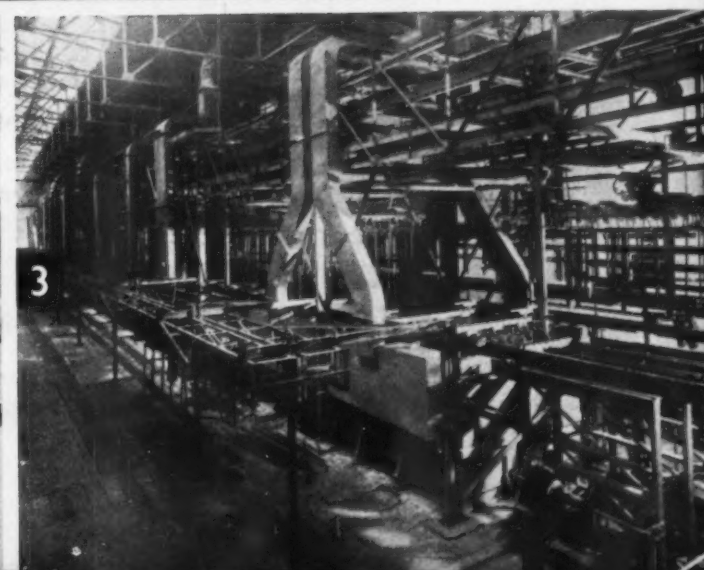
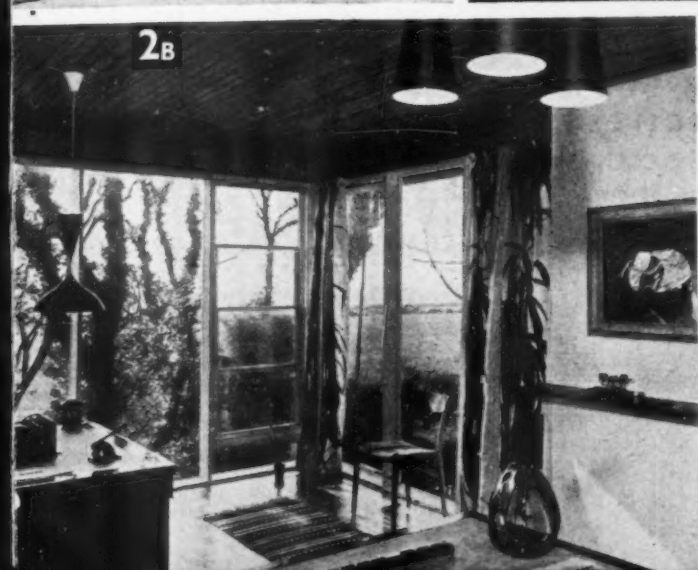
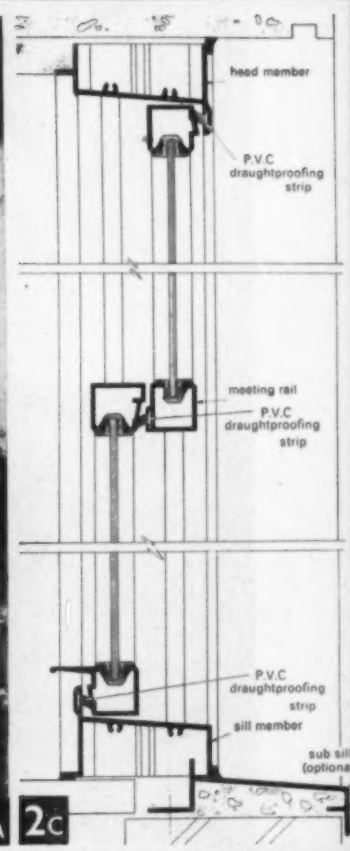
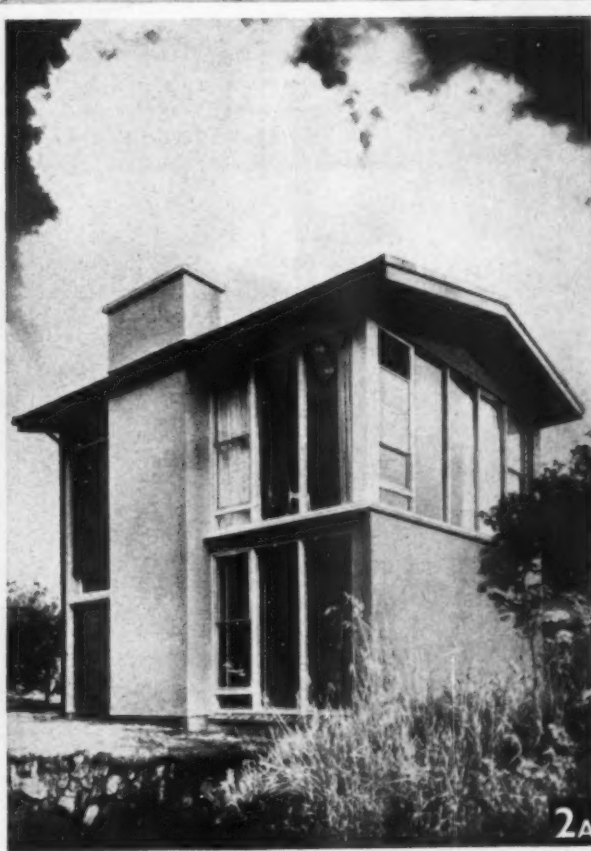
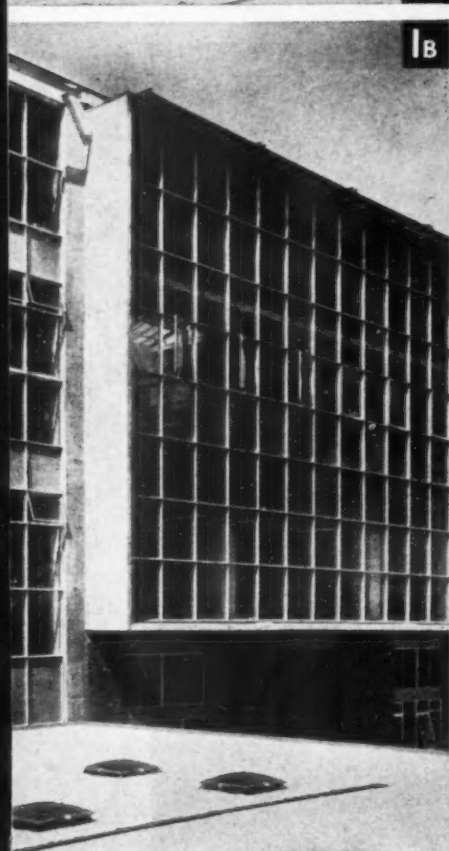
Architects: Taylor & Crowther, Chartered Architects.

**A** Exterior.

**B** Interior of the study showing how the 'Alomega' sash forms part of the glazed corner.

**C** Draughtproofing plastic extrusions at head, meeting rail and sill of 'Alomega' double-hung window.

**3** Part of the automatic conveyor system on which Williams & Williams new standard paint-finished metal windows are processed.





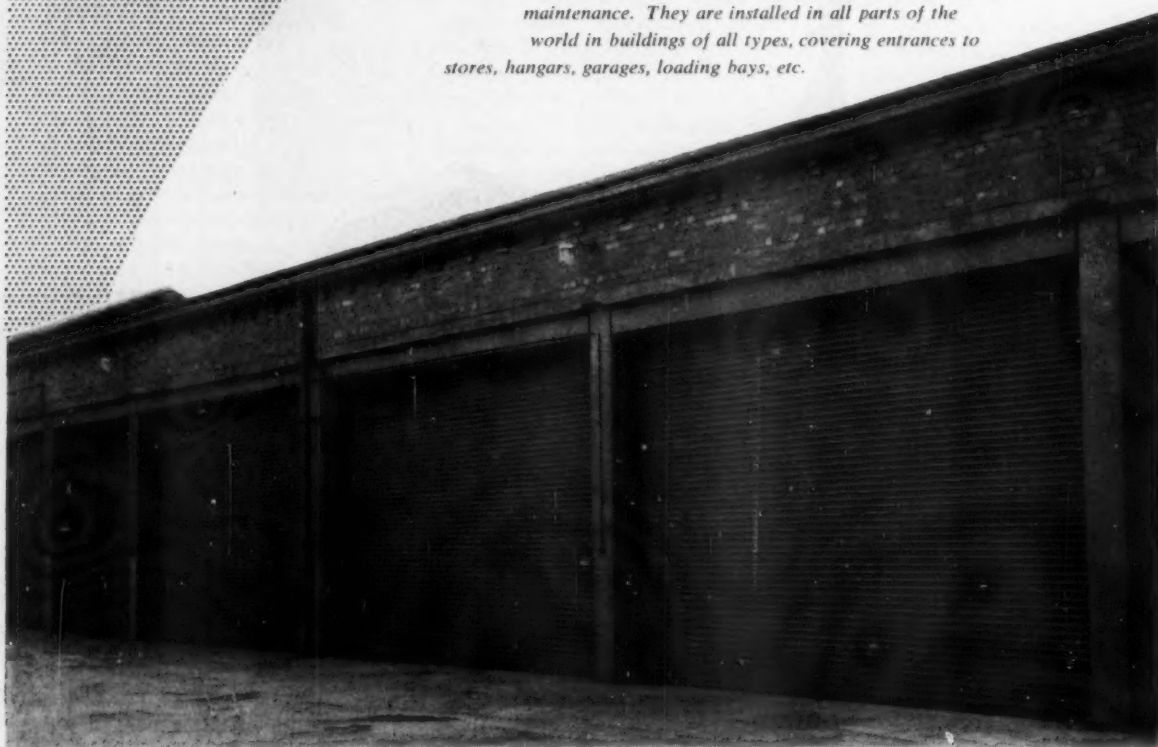
# STEEL ROLLING SHUTTERS

*Manufactured to suit customer's requirements—  
manual, mechanical geared or electrical operation.*

*Also Steel Rolling Shutters for protection against  
fire, constructed to meet the requirements of the*

*Fire Offices' Committee and the London County Council.*

*Mather & Platt Steel Rolling Shutters are designed  
for easy operation and long life with the minimum of  
maintenance. They are installed in all parts of the  
world in buildings of all types, covering entrances to  
stores, hangars, garages, loading bays, etc.*



**Mather & Platt**  
LIMITED

**PARK WORKS  
MANCHESTER, 10**

Telephone: COLlyhurst 2321

Telegrams: Sprinkler, Manchester



# Information...

## DRY-DUSTLESS FLOORS



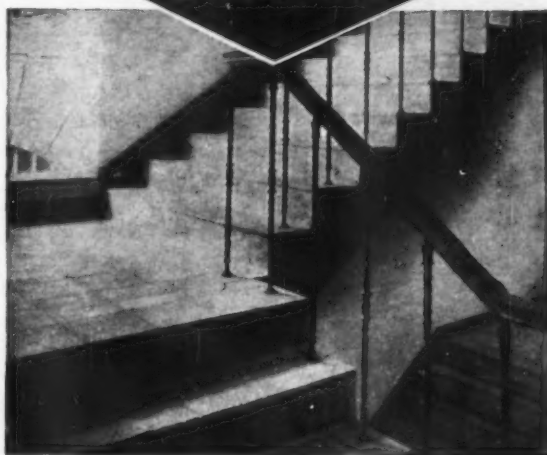
Wherever a floor must be water and damp proof, dustless and oil resisting, the addition of Colemanoid Liquid No. 1 is essential. (This treatment also increases the tensile and compressive strength by up to 35 per cent.) The illustration shows part of Tate & Lyle's Sugar Warehouse, where Colemanoid No. 1 was used to keep the floor dustless and bone-dry at all times.

Bulletin No. 11 gives full specifications and certified tests.

Note: For extra heavy duty floors use 9lb of Altro Aluminium Oxide Abrasive Grain in the mix for every yard super 1in thick.

# COLEMANOID

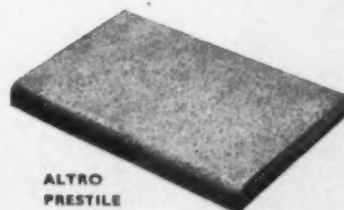
## NON-SLIP STAIRS



Altro non-slip Prestile at the Cheshire County Council Offices provide the highest possible measure of public safety protection against slipping (up to and on the nose of the stair).

Altro Prestile are hydraulically pressed concrete tiles containing quartz, Altro Abrasive Grain and Colemanoid. They remain non-slip throughout the extraordinary long life of the tile. Write for bulletin No. 9 for details of the full range of Altro Safety Products, tiles, treads, inserts, nosings and grain.

# ALTRO



## THE ADAMITE COMPANY LIMITED

94-98 PETTY FRANCE, LONDON, S.W.1. ABBEY 5911



## AS GOOD AS A SOLID BRICK WALL!

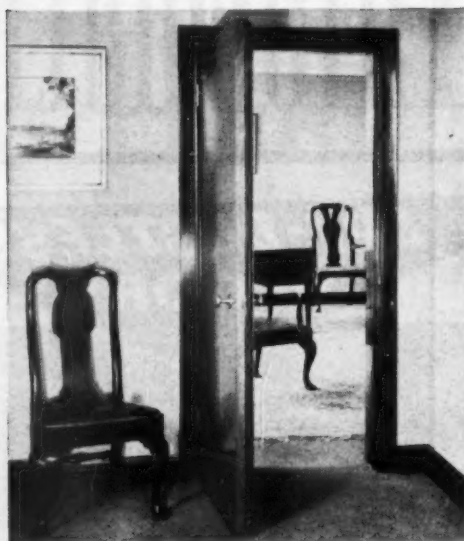
A well known City Chairman once complained to us that intense traffic noise below his windows and excessive audibility between adjacent offices and his own was affecting his efficiency, his privacy and his peace of mind.

We therefore designed and built for him, under a WRITTEN GUARANTEE to solve his problems, sound-proof doors and windows like those illustrated here.

Numerous tests on site and careful laboratory analysis proved that we must reduce the existing sound pressure level of 80 decibels to 35 decibels to achieve the comfort he desired.

So, to fulfil our undertaking, it was necessary to construct each door and window, not only to acceptable dimensions and a high standard of design, but to provide a MINIMUM sound transmission loss of 45 decibels—no less, in fact, than that of a SOLID 4½" BRICK WALL.

Which we very successfully did!



*Photo by Courtesy of The Metal Box Co. Ltd.*

*"Sound-proof communicating door, designed to match existing decor."*

---

*These are just two examples of the work of Sound Control Limited, who can analyse, diagnose and cure most problems in sound. No matter what your noise problem may be, we invite you to consult us.*

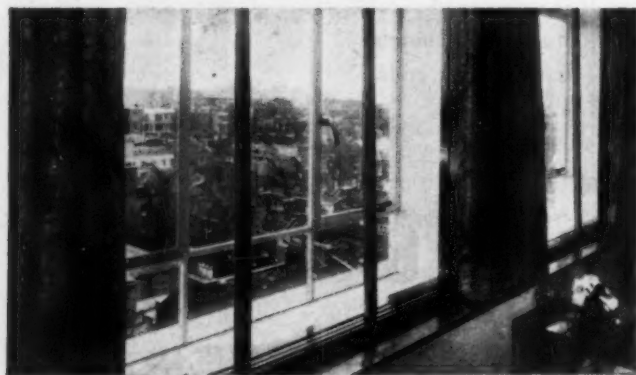
---



### SOUND CONTROL LIMITED

A MEMBER OF THE THERMOTANK GROUP OF COMPANIES

— CONTRACTORS IN ACOUSTICS —



*Photo by Courtesy of The Metal Box Co. Ltd.*

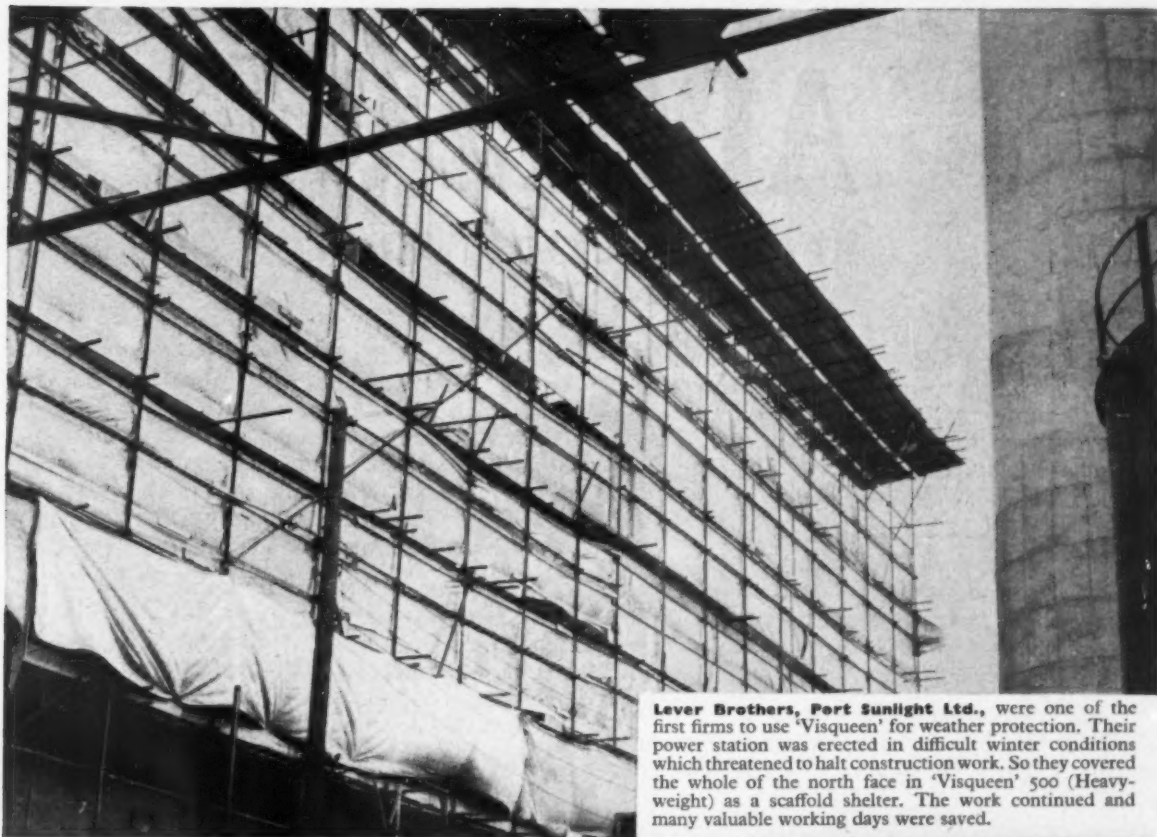
**Colneside Works, West Drayton, Middlesex**

Telephone: West Drayton 3685-9 (5 lines)

**Scottish Office: 10 Bothwell Street, Glasgow**

Telephone: Central 6571/2

*"Typical sound-proof window units designed and built to provide the sound transmission loss required."*



**Lever Brothers, Port Sunlight Ltd.**, were one of the first firms to use 'Visqueen' for weather protection. Their power station was erected in difficult winter conditions which threatened to halt construction work. So they covered the whole of the north face in 'Visqueen' 500 (Heavy-weight) as a scaffold shelter. The work continued and many valuable working days were saved.

## For complete on-site weather protection go-ahead builders use **VISQUEEN** film

TRADE MARK

INSURE against delays caused by bad weather conditions by using 'Visqueen', the ideal *cover* for men, materials and equipment. 'Visqueen' is tough, waterproof, light and flexible. It will not rot and is unaffected by ice and snow.

Get the benefit of full daylight with transparent 'Visqueen' and use the heavyweight black sheeting for site tarpaulins (special securing rings available).

For an illustrated brochure, samples, prices and the address of your nearest 'Visqueen' stockist, write to the address below:

BRITISH VISQUEEN LIMITED • STEVENAGE • HERTS • TEL: STEVENAGE 1310.



**Gilbert Ash Ltd.** used 'Visqueen' during the construction of a new canteen at the English Electric factory in Stevenage. Temporary glazing enabled plastering, electrical fittings and wooden flooring to be completed on schedule unaffected by bad weather and without risk of damaging specially fabricated expensive plate glass.



**Business as usual** during the modernisation of a shop front. The 'Visqueen' lean-to shelter provided effective protection against rain and snow. Inside the transparent shelter alterations were carried out in good light. Normal trade was unaffected as the premises remained warm and draught-proof.

BV126

# THE APOLLO

## REPRODUCTION UNIT

This efficient and inexpensive machine has already proved its worth in thousands of offices in this country and overseas. Architects and Surveyors have found it to be the ideal unit for producing fine quality dyeline prints of any size up to 30" x 40"—immediately they are wanted.

The method of operation is simple—no skill is required. Prints are exposed in the machine and are developed one at a time through the power driven roller developer at the top of the unit.

The Apollo operates from A.C. mains, 220-250 volt, single phase, and has a potential output of easily 150 maximum sized prints per day.

The complete unit occupies less than 50" x 20" of bench, table or desk top space and is available for installation on 7 DAYS' FREE TRIAL.

This machine, when fitted with a lime green filter, can be used, also, for exposing Criterion Direct Positive Photographic Materials which, after processing, provide sub-masters for subsequent dyeline printing. Full details of the range of materials and method of processing are available on request from the Industrial Photographic Division.

Special materials are produced by Masons so that perfect prints may be made by the individual owner or one of his staff, and are supplied in strong packs which can be used as storage containers for the materials over a reasonably long period.

Why not investigate the potentials of this excellent dyeline printer in your office?

*In any office where a comparatively small quantity of prints are required each day, the capital outlay would be recovered in a few months by the saving in print costs.*



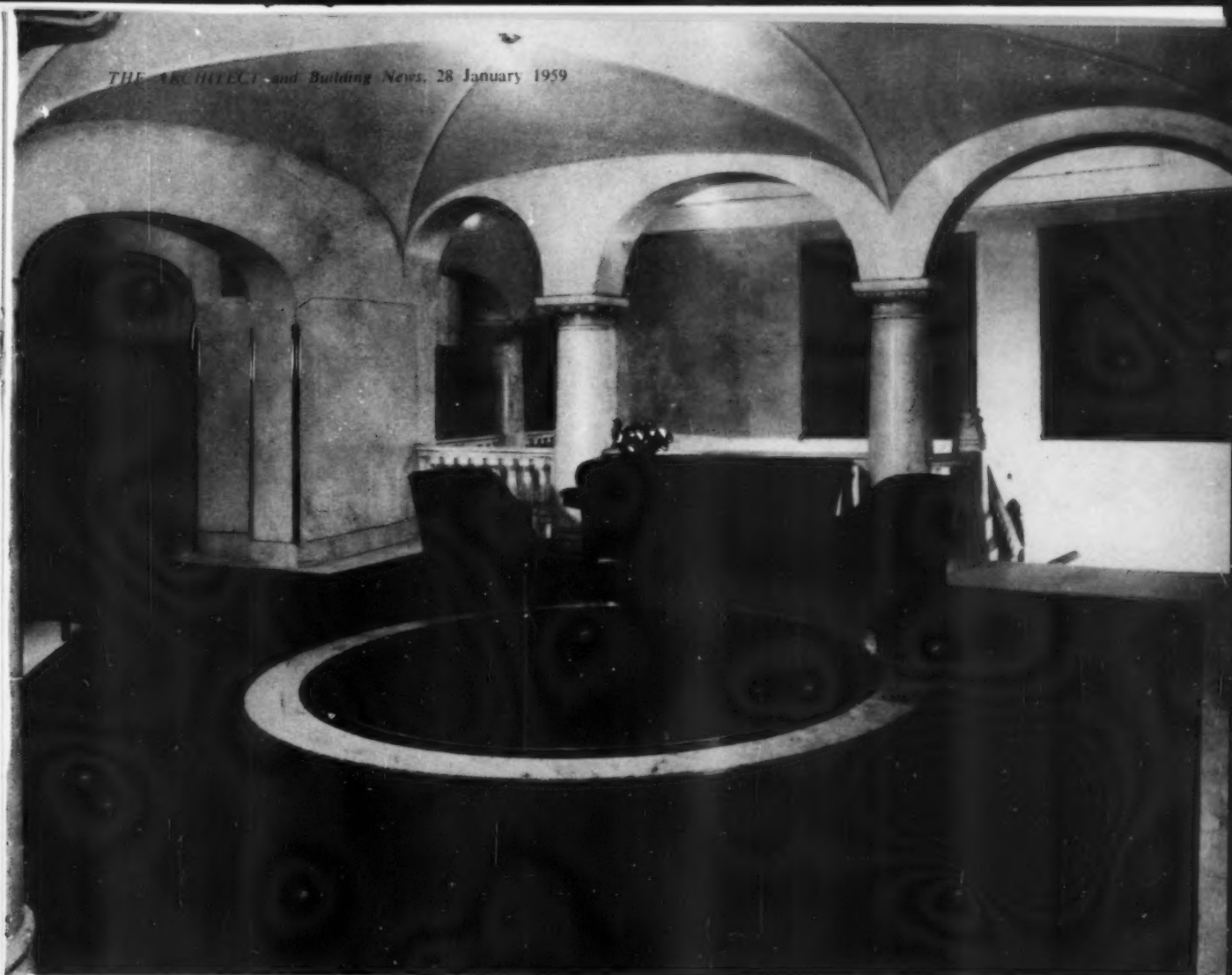
Manufactured by

**E. N. MASON  
& SONS LTD**

ARCLIGHT WORKS, COLCHESTER, ESSEX  
SENTINEL HOUSE, SOUTHAMPTON ROW, LONDON, W.C.1  
28-31 DALLINGTON STREET, LONDON, E.C.1  
ALBERT ROAD, STECHFORD, BIRMINGHAM, 33  
13-15 ST. VINCENT PLACE, GLASGOW, C.1  
8-10 NEWTON STREET, MANCHESTER, 1  
51 VICTORIA STREET, SHEFFIELD, 1  
6 BRITANNIA HOUSE, WELLINGTON STREET, LEEDS, 1  
3 UNITY STREET, BRISTOL, 1  
14 COOK STREET, LIVERPOOL, 2

Tel. Colchester 5191  
Tel. CLerkenwell 4064  
Tel. CLerkenwell 4064  
Tel. Stechford 4442  
Tel. Central 3775  
Tel. Central 9221  
Tel. Sheffield 21776  
Tel. Leeds 23537  
Tel. Bristol 92441  
Tel. Central 6514





# Barry's Ruboleum

**RUBOLEUM** is a superfine linoleum. It was first produced by us in 1907 in 6.70 m.m. thick (approx.  $\frac{1}{4}$ " ) but is now available in medium thickness 4.50 m.m. (approx.  $\frac{3}{16}$ " ).

**RUBOLEUM** because of its properties of hygiene, resilience, durability, is a floorcovering of the highest quality. There is a decorative range of colourings, 35 in all, in plain and marble effects.

**MEDIUM RUBOLEUM** is also widely used on Passenger Ships throughout the world and is particularly suitable and recommended as a decorative and long wearing floorcovering in Public Buildings.

**HEAVY RUBOLEUM** is specially produced for use on ship decks and public buildings and any floors where there is heavy traffic.

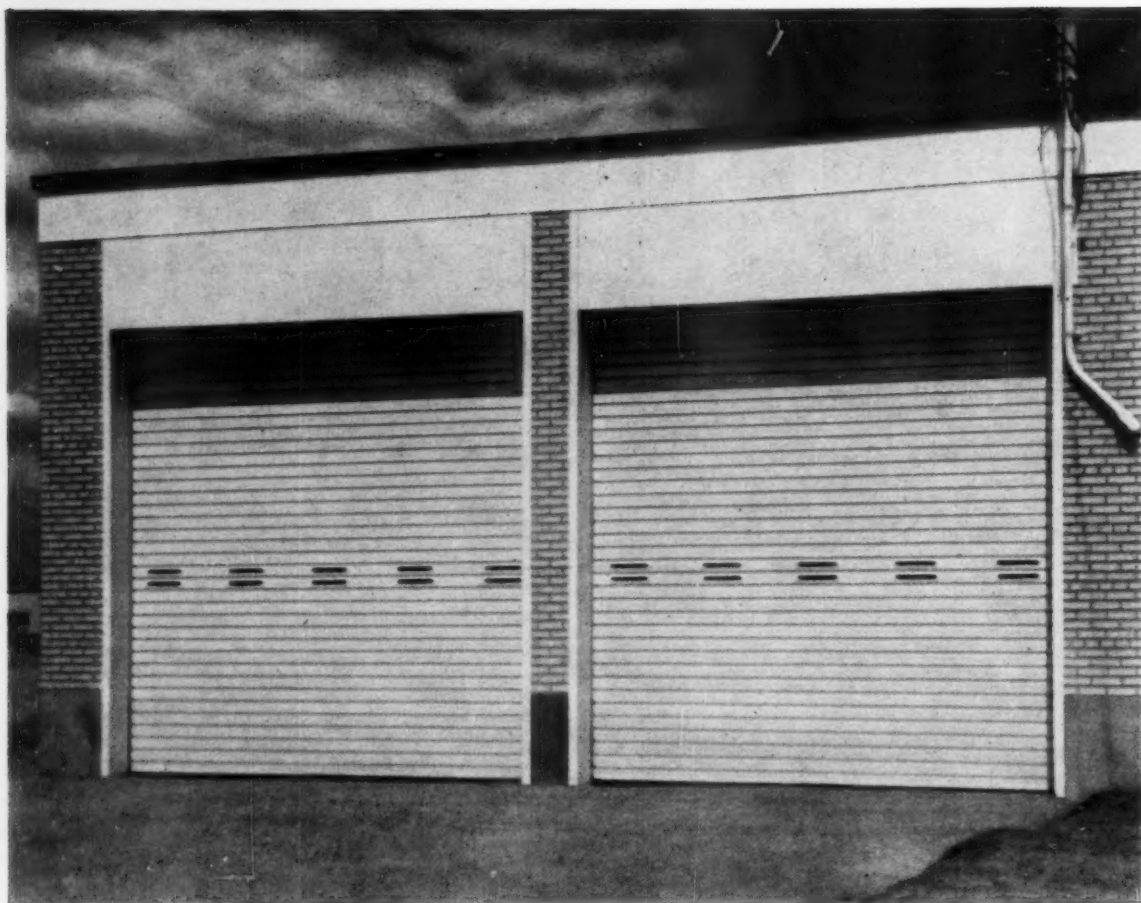
**RUBOLEUM** is available through high class retail furnishers and Contract flooring specialists.

**MONARCH OF THE LINOLEUM WORLD SINCE 1907**

*Samples on application to the exclusive manufacturers:—*

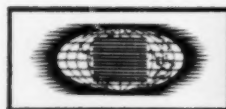
**BARRY, OSTLER & SHEPHERD LTD**  
**KIRKCALDY · SCOTLAND**

*Also from The Technical Division,  
6 OLD BAILEY, LONDON, E.C.4*

**BRADY**  
REGD*for every opening**An actual colour photograph of a Brady installation***THE BRADY F3 FLAT LATH ROLLING DOOR**

Brady's new F3 rolling steel door is constructed of identical and interchangeable flat laths, which interlock throughout their length, and are completely wind and weather tight. Rollers are of one diameter throughout their length and support the curtains through their full width. Doors can be hand or electrically operated and standard finishes are available. For further details send for illustrated folder /CA/SS353/F3b.

G. BRADY & COMPANY LIMITED, MANCHESTER, 4  
Telephone COLIyhurst 2797/8/9

**BRADY**  
REGD  
SHUTTERS ROLLING DOORS

THE DOORS COMMANDING THE WORLD'S LARGEST SALE  
London, Birmingham, Glasgow, Montreal, Port Credit, Hong Kong

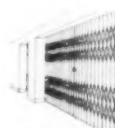
Stowe &amp; Bowden

*Brady products also include:—*

Bar Shutters



Store Front Shutters



Collapsible Gates



Electric Lifts



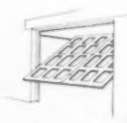
Side Sliding Shutters



Private Garage Shutters



Hand Lifts &amp; Hoists



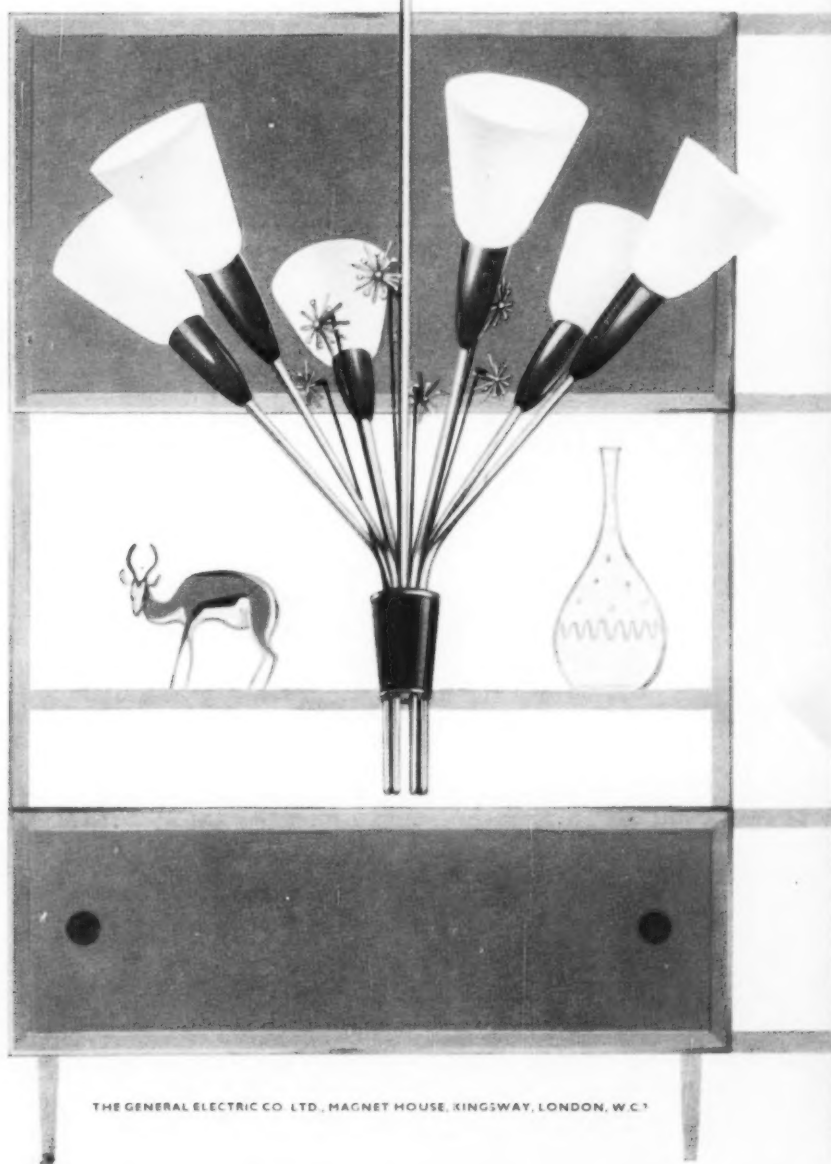
Up-and-Over Doors



Fireproof Doors

*for contemporary living*

Fittings styled for simplicity in a wide choice of designs. Gay colour combinations that harmonise effectively with modern interiors and furnishings.



THE GENERAL ELECTRIC CO. LTD., MAGNET HOUSE, KINGSWAY, LONDON, W.C.1

*contemporary*

*lighting*

*fittings*

*by*

**G.E.C.**





## 'UNIVERSATILITY' OF OUR NEW UNIVERSAL BEAM MILL

With this mill we can now roll 'H' and 'I' sections from 6 inches deep by 6 inches wide up to 36 inches deep by 16½ inches.

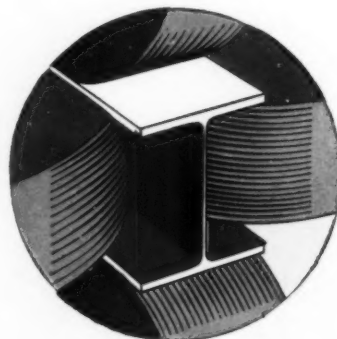
Further, this versatile mill can roll all these sections in different thicknesses, so that constructional engineers will no longer need to build up their columns and girders, except for the heaviest work.

Whole 'families' of simple columns can be rolled, in suitably related sections, for multi-storey buildings: beams can be produced (some of them the largest in Europe) with extra flange thickness to carry extra heavy loads. In all these cases the

laborious riveting-on of extra flange-plates will be abolished; a simple rolled section will do the job better, saving steel and labour.

Universal beams have opened a new field for steel-work designers, offering far-reaching economies and increasing the efficiency of the structure.

*The variation in the flange and web thickness of the new sections is carried out by adjusting, not changing, the rolls. The small diagram shows that adjustment does not appreciably alter the surfaces shaded in red.*

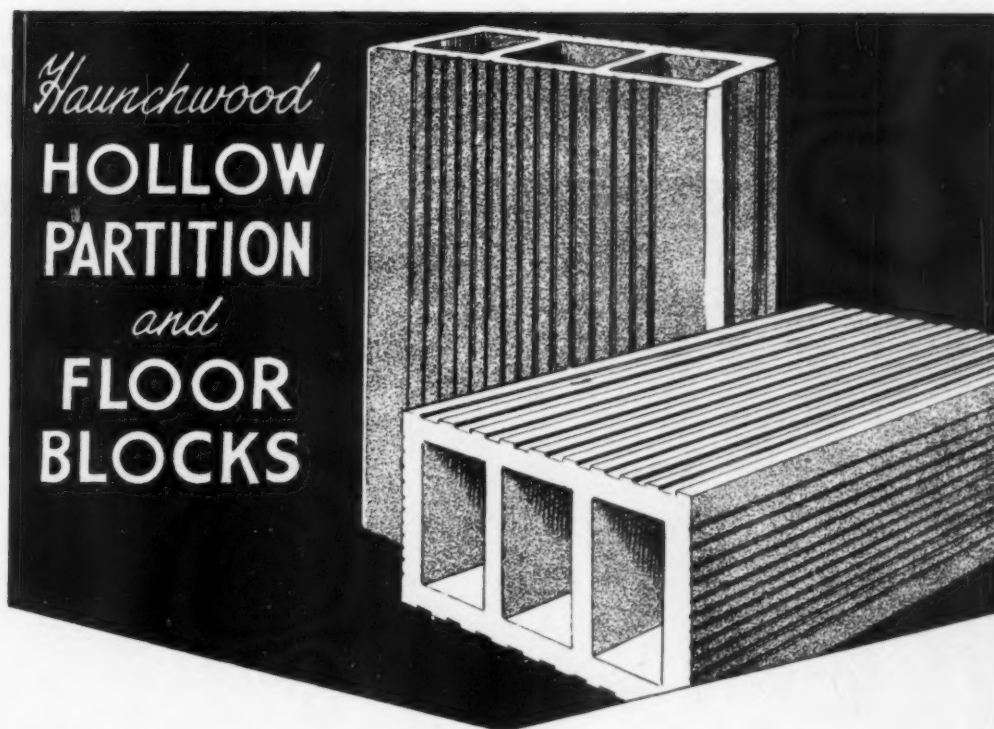


B.S. STANDARD BEAMS, CHANNELS AND  
ANGLES WILL STILL BE AVAILABLE

EARLY DELIVERY OF THE FULL RANGE OF SECTIONS

# DORMAN LONG





*Haunchwood*  
**HOLLOW  
PARTITION  
and  
FLOOR  
BLOCKS**

***Sound advice on Sound Insulation***

The necessity of eliminating unwanted sounds is of paramount importance—more than ever today. This nuisance can be attacked satisfactorily by using Hollow Clay Blocks for Walls and Floors.

Haunchwood Hollow Clay Blocks are specifically manufactured for the purpose. Many important buildings throughout the British Isles have Floors and Walls constructed with these Blocks, and the demand is increasing rapidly—a tribute to the confidence placed in our product, through reliability, strength, resistance to fire, and sound insulation.

Haunchwood Hollow Blocks for Walling are load bearing in character, sound in quality, possessing suitable suction value for adhesion of plaster, and keyed with grooves when required.

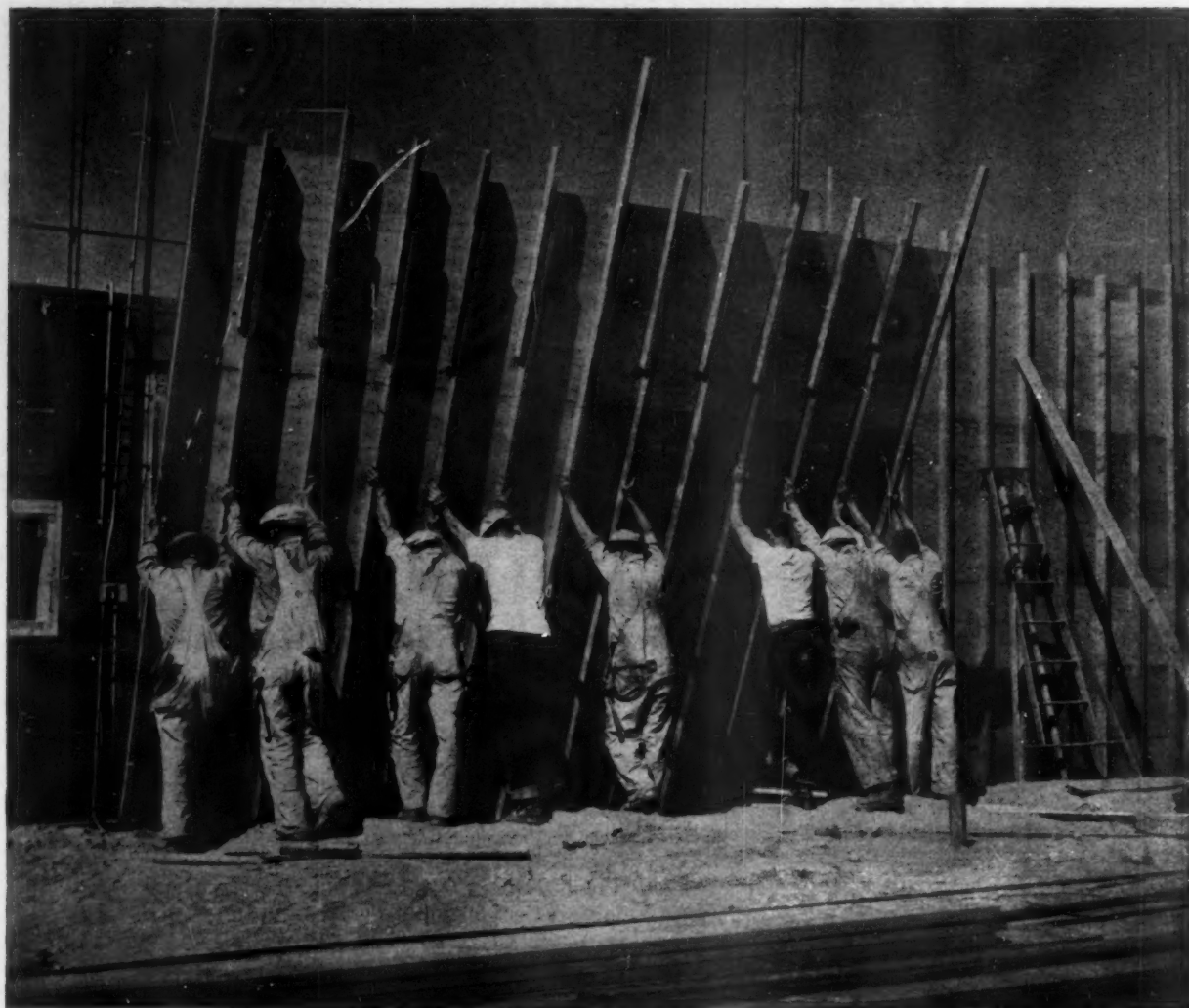
They also contain the same beneficial factors of Sound Insulation and Fire Resistance.

In association with G. W. Lewis' Tileries Ltd., Nuneaton, makers of Rosemary Clay Roof Tiles. Particulars of their products will be sent on application.

Full information respecting sizes, patterns and cost will be sent on request.

**HAUNCHWOOD BRICK & TILE CO. LTD.**  
STOCKINGFORD NUNEATON • PHONE :- NUNEATON 3419-3410

# Seaboard Fir



**speeds construction.. strong and split-proof**

N. R. M. Morison, Esq.,  
1 - 3 Regent Street,  
London, S.W. 1, England.

Please send me a free copy of the Seaboard Plywood Handbook (L-11) describing your full range of Douglas fir plywoods.

NAME .....

ADDRESS .....

(Please print plainly)

UK 56/13, 14



**CONTRACTORS' HUTS**



**ROOF DECKING**

# Plywood Sheathing

**for roof decking, box beams, floors, shuttering and scores of outdoor uses**

Produced with a full phenolic bond . . . waterproof, weatherproof and boil-tested . . . Seaboard Douglas fir plywood is now available in two sheathing grades at prices which open up an entirely new field of use for plywood

Known as SHEATHING and UNDERLAY SHEATHING, these grades have all the structural qualities of smooth, top quality grades. Each panel covers 32 square feet, greatly reducing time and labour costs; it is split-proof and draft-proof . . . requires fewer and smaller nails; it builds into the structure the extra strength and rigidity of a material pound for pound stronger than steel.

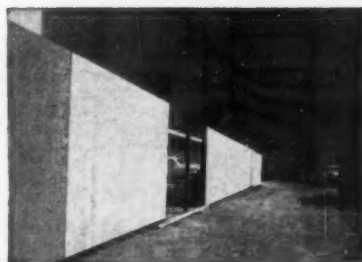
Uses for sheathing and underlay are almost unlimited — roof decking, sarking, laminated trusses, gussets, contractors' huts, farm structures and solid bases for other materials are just a few.

Investigate Seaboard fir plywood sheathing grades. If your supplier does not stock them he can order them for you.

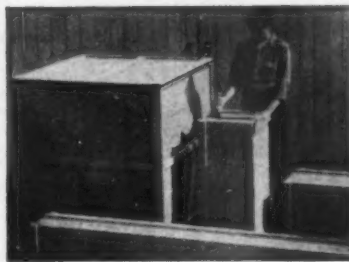


**SEABOARD**  
**CANADIAN DOUGLAS FIR**  
**PLYWOOD**

Seaboard Lumber Sales Co. Limited, Seaboard House, Vancouver 1, Canada



**HOARDINGS**



**PACKING CASES**



**FLOOR UNDERLAY**



Interior of two-bay KARISCOL building for J. R. Bramah & Co. Ltd., Sheffield.

Architects: Hadfield, Cawkwell & Davidson.  
Main Contractors: J. F. Finnegan & Co. (Sheffield) Ltd.



## Kariscol

Prefabricated Steel-framed  
**BUILDINGS**  
*score on all points*

### ● COST

The use of standardised interchangeable units saves up to 20% in steel, and up to 50% in erection time compared with conventional steelwork.

# Build with Kariscol

### ● SPEED

The prefabricated steelwork for single or multiple-bay 'KARISCOL' buildings can normally be erected in a matter of days on a previously prepared site.

### ● FOUNDATIONS

Foundation requirements are reduced to a minimum (only two holding-down bolts to each unit).

### ● LABOUR

'KARISCOL' Buildings require no on-site riveting or welding, and can be erected by unskilled labour.

### ● SIZE

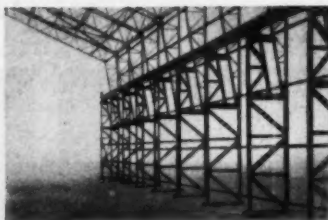
30ft. and 40ft. clear span.  
(12ft. or 15ft. to eaves)  
50ft. and 60ft. clear span.  
(15ft. or 20ft. to eaves)  
75ft. and 100ft. clear span.  
(17ft. 6in. or 20ft. to eaves)  
Extendible to any length in increments of 12ft. 6in. in single or multiple bays.

The 'KARISCOL' system of prefabricated steel-framed building is suitable for a wide range of purposes, and is used throughout the World for:-

<b>BUS DEPOTS</b>	<b>FACTORIES</b>	<b>WAREHOUSES</b>	<b>ASSEMBLY SHOPS</b>
<b>MACHINE SHOPS</b>	<b>GARAGES</b>	<b>SOCIAL HALLS</b>	<b>BARRACKS</b>
<b>STORES</b>	<b>CANTEENS</b>	<b>SHOWROOMS</b>	<b>COLLIERY BUILDINGS</b>

and for many other purposes by

ROAD AND RAIL TRANSPORT AUTHORITIES, MUNICIPALITIES, NATIONALISED INDUSTRIES AND GOVERNMENT DEPARTMENTS



### 'KARISCOL' and CRANES

KARISCOL buildings can be supplied with gantries for electric or hand-operated cranes up to 5 tons, by means of specially designed supports as illustrated on left.

### PERMANENT or TEMPORARY

The patented KARISCOL system provides close approximation to conventional permanent structures, but the absence of riveting or welding permits easy dismantling with a consequent high recovery value.

Please write for literature reference K. 105 from:-

## THE LILLESHELL COMPANY LTD

ST. GEORGES, OAKENGATES, SHROPSHIRE, ENGLAND

Telephone: OAKENGATES 120. Telegrams: LILLESHELL, OAKENGATES

L.G.B.



**for the technologists of tomorrow**

**'ERSKINE HEAP'**

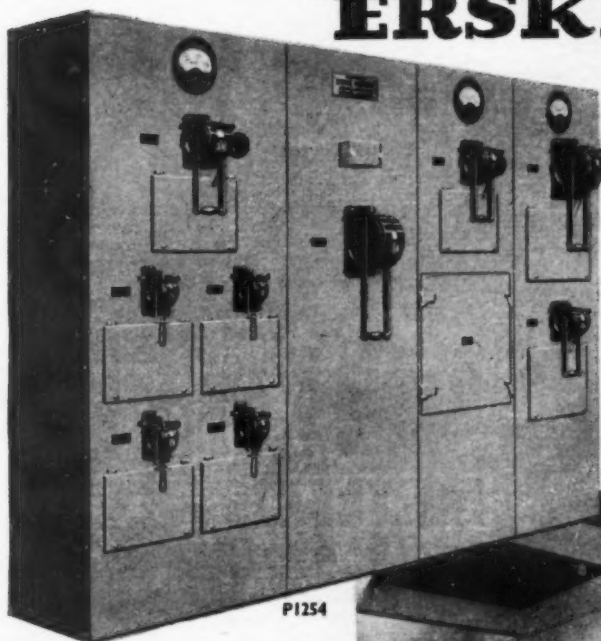
**Switchgear and Motor Control gear**

is installed in

- UNIVERSITIES
- COLLEGES &
- SCHOOLS

throughout the country

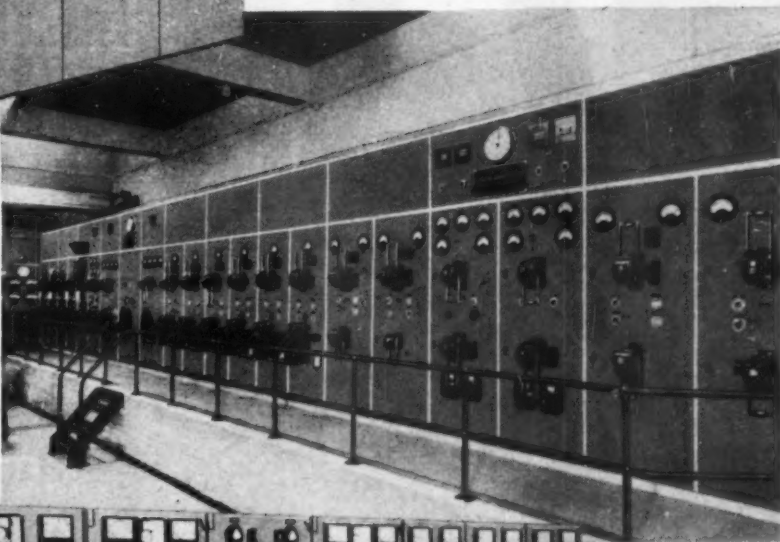
**P1254** One of several Switchboards supplied for big new Lancashire School. This switchboard comprises back-of-board type switches, fuses and contactors with front-of-board operation.



**P1254**

**P1256** Illustration shows main switchboard controlling power and lighting at Manchester College of Science and Technology. Switches are of 25 MVA rupturing capacity, tested to BS.116 at 400 volts. Duplicate bus bars are provided with front-of-board operated changeover switches for changing over between the College's own Turbo Alternator set and Electricity Board.

**P1263** Switchboard illustrated below is one of several supplied recently to control the power and lighting of the Chemistry & Engineering Building, Queen's University, Belfast, the two incoming units and bus bar coupler being 1600 amp. capacity.



**P1256**

Architects for the recent extensions to the Manchester College of Science & Technology were Bradshaw, Gass & Hope of Bolton, who were also responsible for the design of the engineering services



**P1263**

Consulting Engineers for Queen's University, Belfast:— Oscar Faber & Partners.

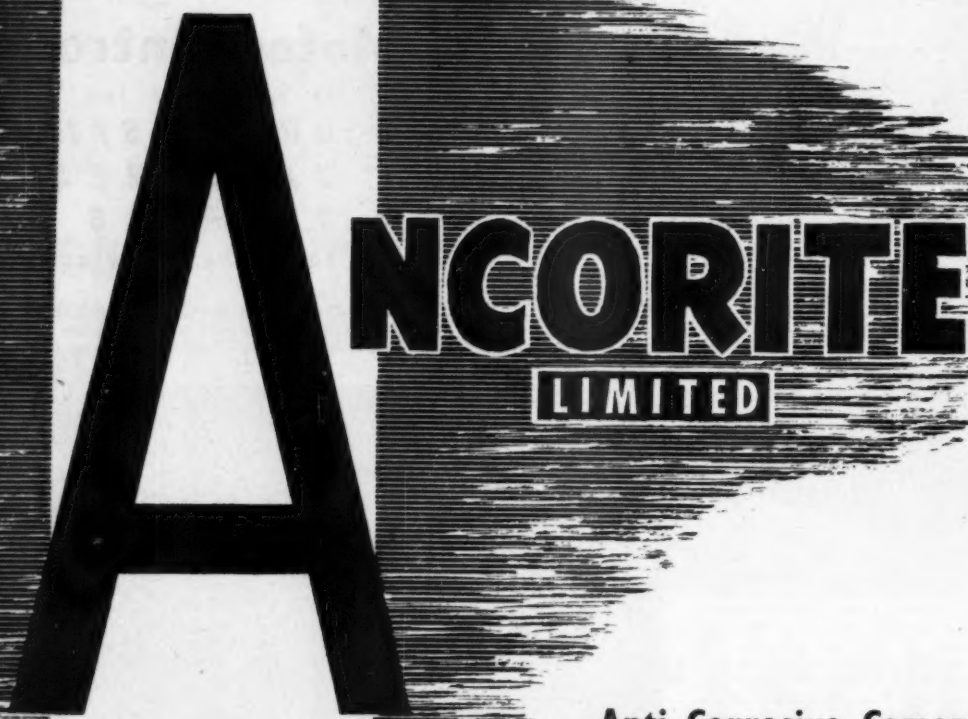
**ERSKINE, HEAP & CO LTD**  
SWITCHGEAR SPECIALISTS

Head Office & Works  
BROUGHTON, MANCHESTER (7)

London Office  
GRAND BUILDINGS, TRAFALGAR SQ., W.C.2

BRANCH OFFICES AND AGENCIES IN ALL PARTS OF THE WORLD

WELCOME TO OUR STAND No. A.9, ELECTRICAL ENGINEERS EXHIBITION, EARLS COURT, LONDON, 17th—21st MARCH



# ANCORITE

LIMITED

## Ancorite

LIMITED

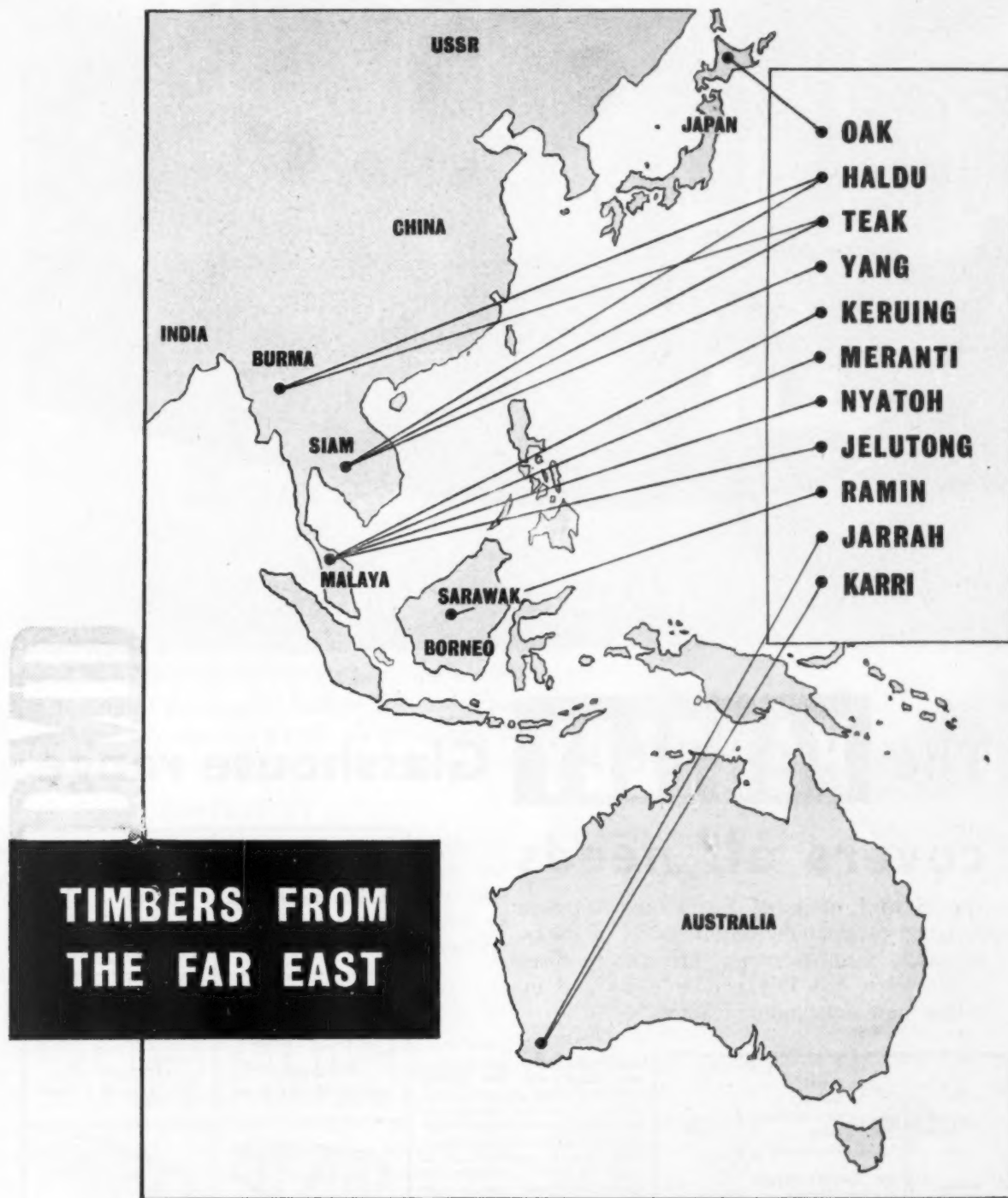
*Chemical Engineering  
Contractors & Consultants*

2-4 LADBROOK ROAD,  
SOUTH NORWOOD, LONDON, S.E.25

Telephone: LIVINGSTONE 6616

### Anti-Corrosive Cements, Linings and Materials

- Heavy duty linings for Pickling Tanks
- Floors
- Effluent Disposal Plants
- Chemical Drainage
- Fume Ducts
- 'Special Purpose' Cements



## *Denny Mott & Dickson Limited*

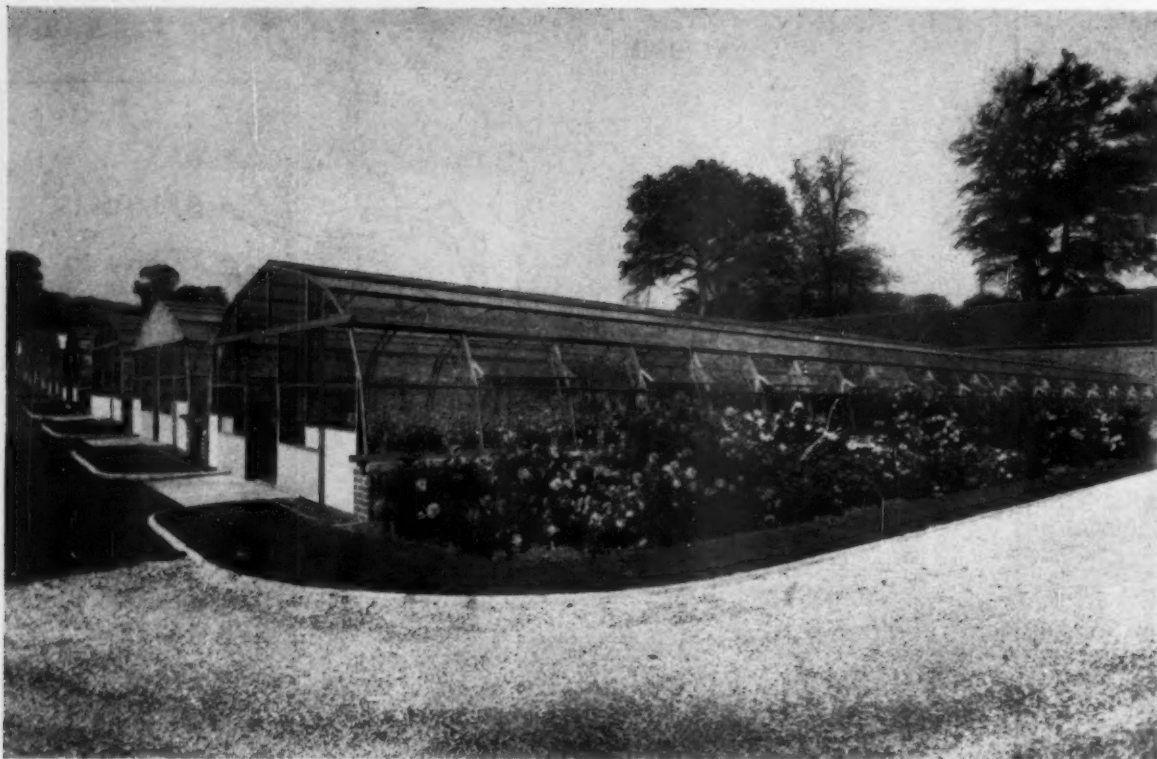
Importers & Stockists of Hardwoods, Softwoods, Plywood & Wallboards

ADELAIDE HOUSE, KING WILLIAM STREET, LONDON, E.C.4

Telephone: MANSION HOUSE 0550

Belfast, Birmingham, Bristol, Cardiff, Glasgow, Hull, Liverpool, Manchester, Newcastle, Preston, Southampton

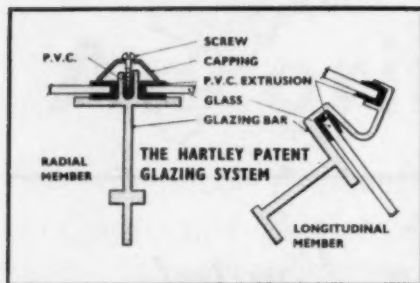
AP 71



Hartley Glasshouses installed at Stanmer Park.

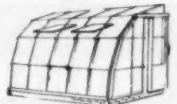
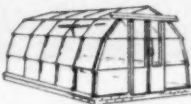
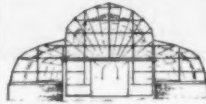
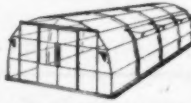
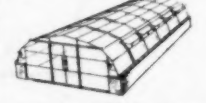
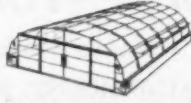
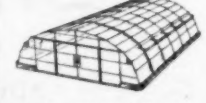
# The **HARTLEY** Glasshouse range covers all needs

The Hartley range of glasshouses has been designed to meet the requirements of Parks, Research Establishments, Horticulturalists, Nurserymen and Private Gardeners and includes these outstanding features:—

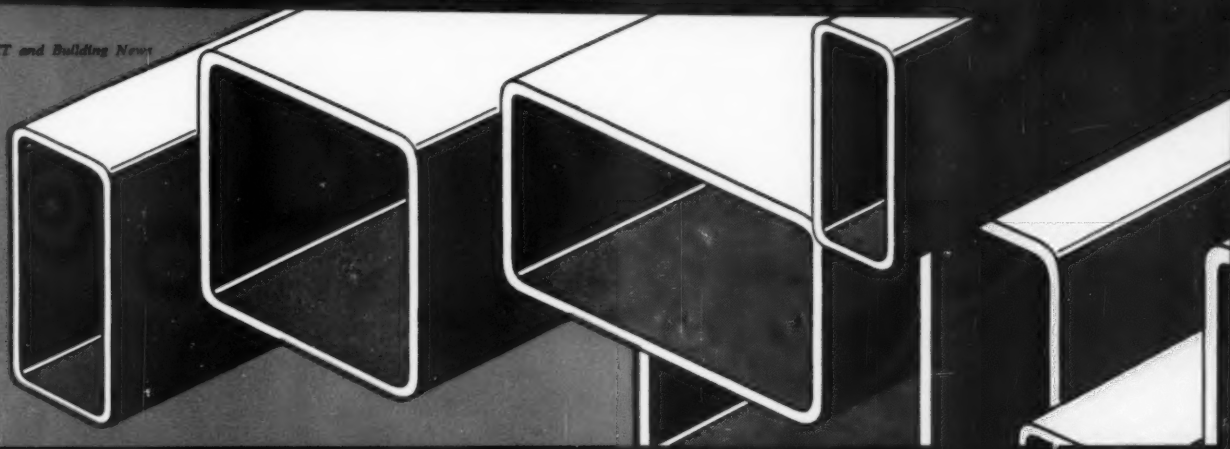


Aluminium alloy construction, new shape with new glazing system to admit far more light; absence of internal supports for unrestricted working space; virtual elimination of breakages—each pane is enclosed on all edges by P.V.C. extrusion and aluminium frame, and so safeguarded against shock, draughts and weather, and against breakages caused by expansion and contraction; stove enamelled structure preventing unsightly surface corrosion.

Full details of the Hartley Range are available on request to  
**V. & N. HARTLEY LIMITED**  
 GREENFIELD, NR. OLDHAM, LANCASHIRE  
 Telephone: Saddleworth 444

<p>This is the full range of Hartley Glasshouses. Built to any length.</p>	 Hartley "7" (Lean-to) 7' 3" Wide, 7' 9" High
 Hartley "10" 10' 0" Wide, 7' 1" High	 Palm House 38' 6" Wide, 18' 6" High
 Hartley "14" 13' 3" Wide, 8' 6" High	 Hartley "18" 18' 4½" Wide, 9' 0" High
 Hartley "21" 21' 2½" Wide, 10' 0" High	 Hartley "27" 28' 1" Wide, 9' 2" High





*A further advance in tubular steelwork:*

## RECTANGULAR HOLLOW SECTIONS

Welded tubular construction has made great progress in recent years in its applications to mechanical handling and similar equipment. A further step forward is being made with our new range of hot-rolled Rectangular Hollow Sections. These have been developed in conjunction with our subsidiary, Tubewrights Ltd., who are acknowledged specialists in tubular construction.

### SIMPLICITY

R.H. Sections eliminate the need for special shaping of component members prior to welding. Any straight cut R.H.S. or tube will fit accurately against their flat sides whether square-on or at an angle and, moreover, lugs of various kinds produced from tube or bar are easily attached. Welding is simple and no bevelling is necessary.

### SIZES

16 standard sizes of hot-rolled R.H. Sections are available, each in two thicknesses; they range from 1½" square to 5" x 2½". Several sections have matching dimensions and this is of advantage in the production of neat fabricated structures. The 1·90" square R.H.S., for example, matches the short sides of a 3·68" by 1·90" R.H.S.; these matching dimensions are made clear in our pamphlet, and in the accompanying table.

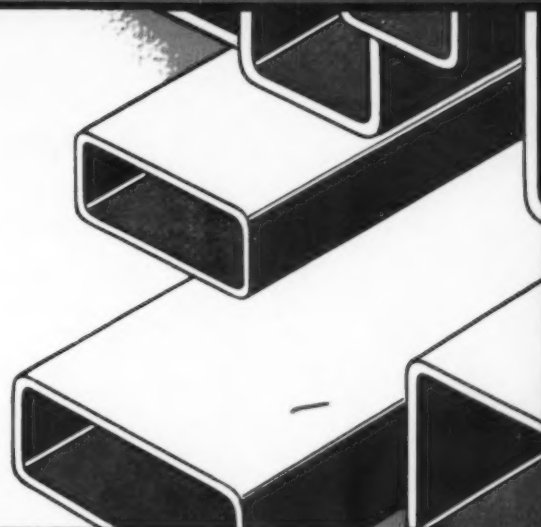
Our subsidiary, Tubewrights Ltd., of 25 Buckingham Gate, London, S.W.1, is willing to advise on or quote for any welded sub-assemblies or complete units in R.H.S., in tubes, or in a combination of both.

STEWARTS AND LLOYDS WAREHOUSES THROUGHOUT THE COUNTRY STOCK R.H.S.

*Pamphlet giving full dimensions, properties and prices will be sent on application to:*

# Stewarts and Lloyds Ltd

STRUCTURAL STEEL DEPARTMENT, BROAD STREET CHAMBERS, BIRMINGHAM, 1



### DIMENSIONS OF R H SECTIONS

INCHES	S.W.G	INCHES	S.W.G
1·36 x 1·36	11g, 10g	2·44 x 1·36	11g, 9g
1·90 x 1·90	11g, 9g	3·17 x 1·59	10g, 9g
2·125 x 2·125	10g, 9g	3·68 x 1·90	10g, 8g
2·38 x 2·38	10g, 9g	4·76 x 2·38	9g, 7g
2·50 x 2·50	10g, 8g	1·90 x ·82	11g, 10g
2·79 x 2·79	10g, 8g	2·79 x 1·01	11g, 9g
3·57 x 3·57	9g, 7g	3·40 x 1·36	10g, 9g
MATCHING DIMENSIONS ARE SHOWN IN HEAVY TYPE		3·99 x 1·59	10g, 8g
		5·01 x 2·125	9g, 7g



*The New Look  
comes to  
Britain!*



## **SUN-X GLASS TINTING**



The SUN-X glass tinting process, well tried and proven in U.S.A. and other territories, is now available in the U.K. and provides a solution to many of the problems of glare and solar heat load on curtain walling and glass windows.

SUN-X is available in colourless grade or in a number of different tints, providing varying degrees of protection against Ultra Violet, Infra Red and Visible Glare radiation. The great latitude in colour selection enables Architects to provide pleasant decorative aspects to harmonise with existing or planned interior or exterior colour schemes.

For further information please complete and return the coupon below.

Please send me full information on SUN-X

Name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SUN-X (GREAT BRITAIN) LIMITED**  
**3a WOOD STREET, LONDON, E.C.2**



*Perfection*

**Weatherproof  
Wellglass & Prismatic  
LIGHTING  
FITTINGS**

*Catalogue available on request*

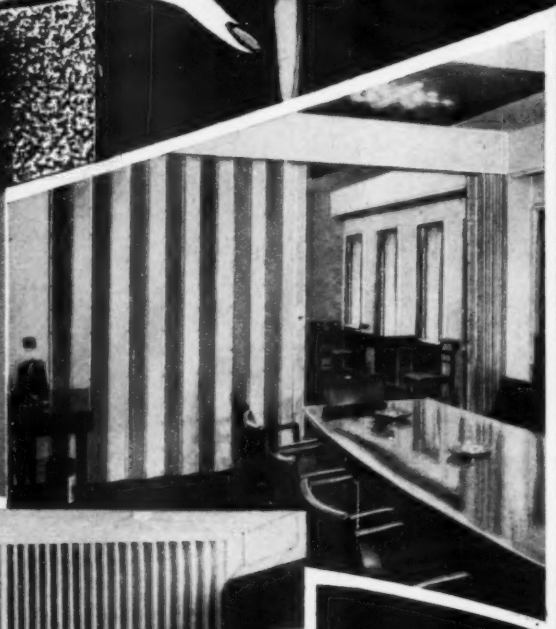
*Manufactured by*  
**J. & G. COUGHTRIE LTD.**  
HILLINGTON · GLASGOW, S.W.2

Stocked by all leading Electrical Wholesalers



# An Extra room to hand...

If you install a Bolton "Superfold" leatherscloth covered, collapsible partition. The "Superfold" glides smoothly on an overhead track and folds into a surprisingly small space. The applications are endless in all types of buildings.



**BOLTON**

**SUPERFOLD**

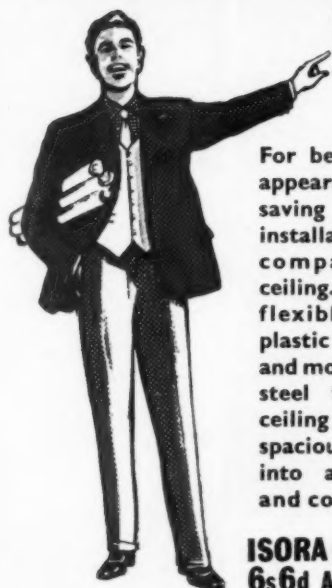
**PARTITIONS**

Write now for our  
fully illustrated  
leaflet



**BOLTON GATE CO. LTD., BOLTON, LANC.**





## "What a Difference — an ISORA Illuminated Ceiling Can Make!"

For better lighting, beautiful appearance, up to 40% heat saving and sheer economy of installation, there is nothing to compare with an ISORA ceiling. Comprising panels of flexible, translucent P.V.C. plastic stretched on frames and mounted into a lightweight steel falsework, an ISORA ceiling transforms an over-spacious, unattractive interior into a warm, immaculate and compact working space.

**ISORA CEILINGS AVERAGE ONLY  
6s6d A SQ. FOOT TOTAL COST!**

# ISORA

*The highlight in Modern Ceilings*

WRITE FOR FULL DETAILS, LITERATURE AND SAMPLES

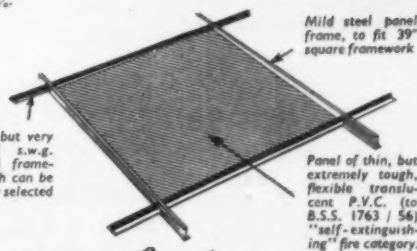
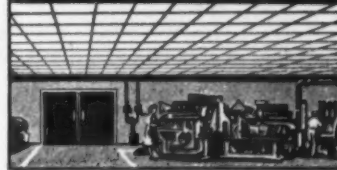
### BEFORE

Here is a typical gaunt, draughty and all too typical factory interior, unevenly lit, wasteful of heat, difficult to clean.



### AFTER

What a difference an ISORA ceiling makes. The interior becomes attractive and congenial. Light is evenly, adequately distributed and heat wastage reduced by up to 40%.



The light, but very strong 17 s.w.g. mild steel framework, which can be painted any selected colour.

Mild steel panel frame, to fit 39" square framework

Panel of thin, but extremely tough, flexible translucent P.V.C. (to B.S.S. 1763 / 56) "self-extinguishing" fire category.

**ISORA**  
S F I M (Great Britain) Ltd  
218/221 Bedford Avenue  
SLOUGH England

Telephone  
**SLOUGH**  
**22228**

DOLPHIN HOUSE  
SALISBURY · S. RHODESIA  
*Architects:*  
W. D'Arcy Cathart & Son

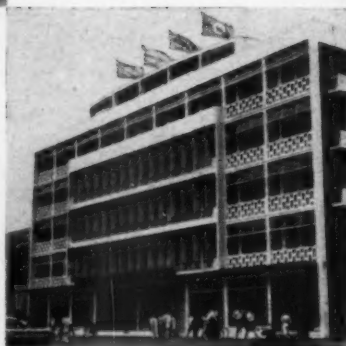


THE ARCHITECT and Building News,  
28 January 1959

TOWN COUNCIL OF  
CUREPIPE BUILDING · MAURITIUS  
*Architects:*  
Boulle-Lagesse & Schaub



BRITISH COLUMBIA PROVINCIAL  
GOVERNMENT OFFICES · VICTORIA  
*Architects:*  
Provincial Government  
Architectural Department

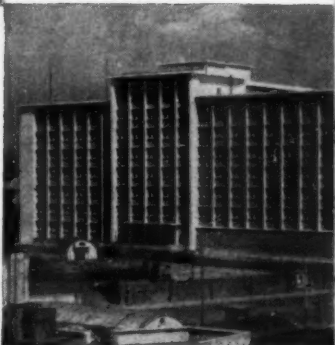


SHELL BUILDING · LAGOS  
*Architects:*  
Walker, Harwood & Cranswick

K.L.M. BUILDING · CURACAO  
*Architect:*  
Alec Van Ness



POLICE HEADQUARTERS  
HONG KONG  
*Architects:*  
P. W. D. Hong Kong



NGEE ANN KONGSI FLATS  
SINGAPORE  
*Architect:*  
Ng Keng Siang



ADMIRALTY FLATS  
MOUNT AUSTIN · HONG KONG  
*Architects:*  
Palmer & Turner

ASIATIC POLICE QUARTERS  
KOWLOON  
*Architects:*  
P. W. D. Hong Kong



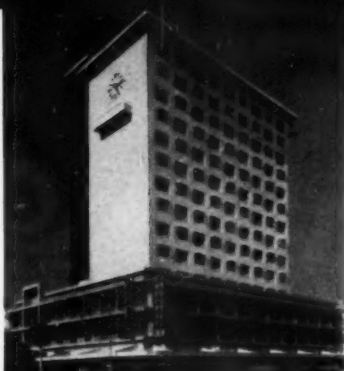
ALEXANDRA HOUSE · HONG KONG  
*Architects:*  
Spence, Robinson & Partners



*THE ARCHITECT and  
Building News,*  
28 January 1959

AFRICAN LIFE BUILDING  
BULAWAYO · S. RHODESIA

*Architects:*  
MacGillivray & Son



R.N.V.R. BUILDING · HONG KONG

*Architects:*  
P. W. D. Hong Kong



OFFICES FOR TRANSVAAL  
& CHAMBER OF MINES  
JOHANNESBURG

*Architects:*  
K. E. F. Gardiner &  
MacFabgden



WORKING CLASS FLATS  
HONG KONG

*Architects:*  
Chan & Lee



FLATS FOR  
SINGAPORE HARBOUR BOARD

*Architects:*  
Swan & McLaren

HOLLANDSCHE BANK  
UNIE · CURACAO  
*Architect:*  
Ben Smit



BANK OF CHINA  
SINGAPORE  
*Architects:*  
Palmer & Turner

**Overseas  
outlook through...**

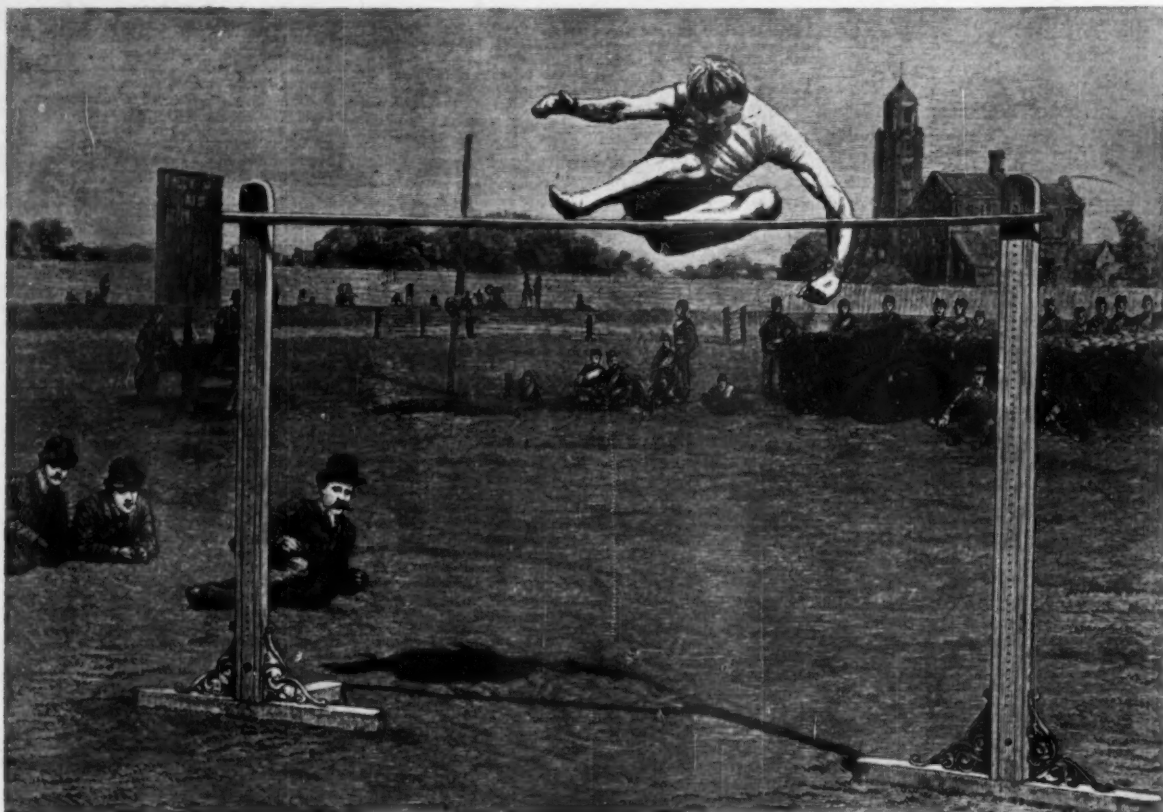


# CRITTALL WINDOWS



THE CRITTALL MANUFACTURING CO LTD · BRAINTREE · ESSEX · BRANCHES & DEPOTS THROUGHOUT THE COUNTRY





*Paddy Kelly winning high jump championship of Ireland—Dublin 1888*

## WHAT GOES UP... MUST COME DOWN!

*That is why so many lighting installations incorporate L.E.F. Raising and Lowering Gear*

When planning new lighting installations, remember that special consideration must be given to the maintenance of lights sited high up.

There is no more practical way of dealing with these than by the installation of L.E.F. Raising and Lowering Gear. This ingenious contact suspension gear enables lights to be lowered to ground level for maintenance and raised again. An important factor from the architect's point of view is that L.E.F. gear can be built into the ceiling and is then completely concealed.

Many well known buildings, street lighting systems, factories, aircraft hangars, etc. have L.E.F. Raising and Lowering Gear. It is the complete answer to difficult light maintenance problems, but be sure to consult London Electric Firm at the planning stage so that they can meet your technical requirements.



### LEICESTER UNIVERSITY—Percy Gee Building

This hall is an excellent example of the concealed fitting of L.E.F. Raising and Lowering Gear which is used for each of the lights. Close liaison by L.E.F. with the contractors from an early stage resulted in a trouble-free installation.

*Architects: Thomas Worthington & Sons, Manchester.*

*Contractors: Witcombe & Blackwell Ltd., Leicester.*

*Photograph: Thomas-Photos, Oxford.*

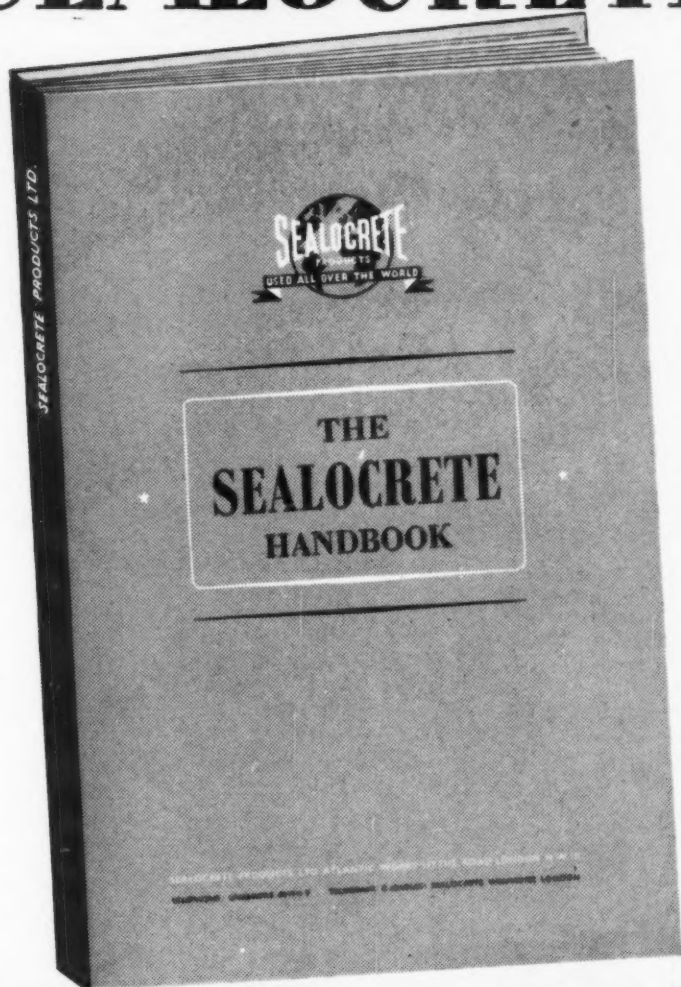
*(reproduced by permission of the University Authorities)*



**LONDON ELECTRIC FIRM LTD., South Croydon, Surrey. Telephone: Uplands 4871**



# SEALOCRETE



# PRODUCTS

*Quality*

FOR

STRUCTURAL  
WATERPROOFING

WATERPROOFING AND  
COLOURING BRICK,  
ASBESTOS, STONE, CEMENT  
RENDERINGS, ETC.

HARDENING, DUST AND  
OIL PROOFING,  
COLOURING  
CONCRETE FLOORS

DECORATIVE FINISHES  
STONE PAINTS  
TEXTURED CEMENT PAINT  
CEMENT PAINT  
SPECIAL PURPOSE PAINTS  
EMULSION PAINTS

PLASTIC FLOORING

DEGREASING AND  
SEALING FLOORS

CONCRETE CURING

PLASTICISERS AND  
AIR ENTRAINING AGENTS  
FOR CONCRETE AND  
CEMENT MORTARS  
BONDING AGENTS

CONCRETING IN  
FROSTY WEATHER

---

**SEALOCRETE PRODUCTS LIMITED**

ATLANTIC WORKS · HYTHE ROAD · LONDON, N.W.10

TELEPHONE: LADBROOKE 0015 P.B.E. · GRAMS & CABLES: SEALOCRETE, WESPHONE, LONDON

---

# Achievement

## 1958

### Congratulations

to British Architects for the  
progress in building during 1958

**Redland are proud of their own  
achievements during the past year**

- *more roofs than ever before were covered  
in Redland tiles*
- *vastly increased production of the  
Redland "52"*
- *development of the  
Stonewold Industrial Roof*

Redland produce the widest range of roof  
tile patterns providing modern colourful and  
enduring roofs for any pitch of  $22\frac{1}{2}^{\circ}$  upwards.  
Redland quality and quantity products are higher  
than ever and the Group offers an unequalled  
service to architects all over the country.



good for  
50 years and more

## Redland tiles

Sussex bricks  
Norcon pipes

REDLAND TILES LTD.  
Castle Gate, Castlefield Rd., Reigate, Surrey  
Tel.: Reigate 4781 (10 lines)



## BRABY

### "WALLSTRUCT" a Curtain Walling in Aluminium Alloy

"Wallstruct" was used on this building erected for the Queensway Store Co. Ltd., at Crawley New Town, Sussex.  
Consultant Designer: Gaby Schreiber, F.S.I.A.  
Chief Architect: R. G. Thomson, Dip. Arch., A.R.I.B.A.  
Architect-in-Charge: D. D. Glennie, B.Arch., A.R.I.B.A.  
Contractors: Welwyn Builders Ltd.

**Glazing** BRABY 'Improved Eseglaze' system of aluminium beading. All thicknesses of glass and most double-glazed panes can be fitted.

**Dado panels** Double, with glass wool or other insulant. External panel—coloured glass, plastic, aluminium, etc.—may be fitted from outside.

**Openings** All types can be accommodated, including latest BRABY sliding sash.

**Sizes** Standard Construction—Not exceeding 4 ft. 6 in. wide x 10 ft. 6 in. high to customers' requirements; above these limits reinforcing members are necessary.

✻ **Supplied in natural (mill) finish, or polished, anodised and sealed.**

BRABY "Wallstruct" has been designed to exploit fully the high strength/weight ratio, the excellent weathering and the pleasing appearance of aluminium alloy.

It consists essentially of individually-sized units made up from extruded aluminium alloy sections\* assembled into frames of 4"-deep channel section. Expansion and contracting movements are taken care of by expansion mullions, and, fixed to each floor, transom sections.

**Write for "Wallstruct" leaflet**

ONE OF THE WIDE RANGE OF

# BRABY

PRODUCTS

#### FREDERICK BRABY & COMPANY LIMITED

ECLIPSE WORKS, PETERSHILL ROAD, GLASGOW, N. TELEPHONE: SPRINGBURN 5151  
OTHER FACTORIES AT: London Works, Thames Road, Crayford, Kent. TELEPHONE: Crayford 26262  
Havelock Works, Aintree, Liverpool, 10. TELEPHONE: Aintree 1721  
Ashton Gate Works, Bristol, 3. TELEPHONE: Bristol 64041. And Falkirk  
OTHER OFFICES: 352-364 Euston Road, London, N.W.1 (Head Office). TELEPHONE: EUSTON 3456  
110 Cannon Street, London, E.C.4 (Export). TELEPHONE: MANSION HOUSE 6034  
Queen's Buildings, 10 Royal Avenue, Belfast. TELEPHONE: 26509  
Palace Street, Plymouth. TELEPHONE: 62261

## Private Estate developers



## specify Hills doors

*A 'Durador' interior flush door having great strength and stability with economy in weight. Facings of West African Hardwood Plywood with 'Placarol' core. Paint or stain and varnish grades.*



Over and over again the specification states that the doors will be by Hills. We are naturally proud that it is so, but the reasons are important too.

Hills have been making doors more than a century — that means experience. They apply rigorously the standards of craftsmanship — that means quality. The factory is equipped with the most advanced plant — and that means definite delivery.

There is yet another factor, Hills doors are outstandingly the best value for money. Only selected timber is used in Hills doors — our mills in Ghana provide much of it.

Hills 'Aristocrat' and 'Solidor' flush doors employ the exclusive extruded Kreibord core; the 'Durador', 'Popular' and 'Acme' doors have the unique 'Placarol' core.

*Send for your file copies of the Hills Doors Catalogue.*

**Hills** a good name to have on your doors

F. HILLS & SONS LIMITED • NORTON ROAD • STOCKTON-ON-TEES • TEL: STOCKTON 67141  
SOUTHERN DEPOT: SOPERS ROAD • CUFFLEY • POTTERS BAR • MIDDLESEX • TEL: CUFFLEY 2824/5



# STRAMIT

## CLASS 1 SLABS

***fully satisfy the requirements of the <sup>\*</sup>Act  
regarding Thermal Insulation and  
Resistance to Spread of Flame!***

\* THE THERMAL INSULATION  
(INDUSTRIAL BUILDINGS) ACT, 1957

Here's a structural insulating material with a Class I rating for spread of flame! When Stramit Class I slabs are used as roof-decking under felt, they have a U-value of 0.23 and so easily satisfy the requirements of the new Act (which stipulates a U-value not greater than 0.3). And, of course, when Stramit is weathered with corrugated asbestos its U-value improves still further.

The essential Class I rating for spread of flame is achieved without further treatment, thanks to a special asbestos facing on the slabs. Stramit Class I slabs are strong, rigid and durable, and cost only 1/3d. per sq. ft.

#### STOCK SIZES:

2 in. thick x 4 ft. wide x 6, 8, 9, 10  
and 12 ft. long.

Special sizes made to order.

ONLY  
**1/3<sup>d</sup>**  
PER SQ. FT.



**To: STRAMIT BOARDS LTD., COWLEY PEACHEY,  
UXBRIDGE, MIDDX : Telephone: West Drayton 3751**

Please send me full details of Stramit Class I building slabs.

NAME.....

ADDRESS .....

For the attention of.....

# BLUE CIRCLE RESEARCH BENEFITS YOU

Each year the Blue Circle Group of Companies spends over £300,000 on research. The results of this research can be seen in the consistently high quality of the Group's products, and in the availability of new and improved materials for structural and decorative concrete developed in the research laboratories.

The Blue Circle Group is the largest cement organization in the World. Make use of its many services and profit from its resources.

## BLUE CIRCLE PRODUCTS include

BLUE CIRCLE, PELICAN & DRAGON BRANDS OF ORDINARY PORTLAND CEMENT · FERROCRETE · '417' CEMENT  
SULFACRETE · HYDRACRETE · SNOWCRETE · COLORCRETE · HYDRALIME · WALCRETE · SUPER SNOWCEM ETC.

THE CEMENT MARKETING CO. LTD. PORTLAND HOUSE,  
TOTHILL STREET, LONDON, S.W.1. TELEPHONE ABBEY 3456  
G. & T. EARLE LIMITED, HULL TELEPHONE HULL 16121  
THE SOUTH WALES PORTLAND CEMENT & LIME CO. LTD.  
PENARTH, GLAM, TELEPHONE PENARTH 57301/4



Selling Organizations of

THE ASSOCIATED  
PORTLAND CEMENT MANUFACTURERS LTD.  
THE BRITISH PORTLAND CEMENT MANUFACTURERS LTD.  
ALPHA CEMENT LTD.

# HIGGS AND HILL

LIMITED

LONDON

LEEDS

COVENTRY

JAMAICA

*Contractors to  
THOS. COOK & SON LTD.  
for the extensions to  
their Head Office,  
illustrated in this issue.*

WE ARE DISTRIBUTORS OF



## FLAXBOARD

**IMMEDIATE  
DELIVERY  
FROM STOCK**

"LINDAL" FLAXBOARD \* is manufactured in Belgium at the newest and most modern Mill specially built and equipped to produce a high quality board. Because of its low moisture absorption properties it is highly suited to the building trade and many other types of consumer.

Size of sheets: 8' x 4' (sanded both sides). Densities available: "600" (37 lbs. per cu. ft.) "500" (31 lbs. per cu. ft.) "400" (25 lbs. per cu. ft.).

Thicknesses: 8, 10, 12, 14, 16, 18, 20, 22 and 25 m.m.

\* Samples and technical data available on request.



"Lindal" Flaxboard at our City Wharf

## N. WHITING LTD.

PLYWOOD IMPORTERS and MERCHANTS

17 FINSBURY SQUARE, LONDON, E.C.2 • Telephone: MET 0424 (5 lines)

SOLE SELLING AGENTS U.K.:

EUGEN BLIOCH and Co. Ltd.

13 ROOD LANE, LONDON, E.C.3 • Telephone: Mansion House 8631 (3 lines)



*Now Available*

From 20 amps

to 200 amps

AT COMPETITIVE PRICES

**"Sandaline"**

ACCLAIMED THE FINEST FUSEBOARD  
EVER PRODUCED . . . EVEN BY SANDERS

Details of this Fuseboard and  
full range of other competi-  
tively priced products in new  
Catalogue 158/59.

Make sure you have a copy!

**SANDERS**  
WEDNESBURY



*The mark of superiority  
in Switch and Fusegear.*

WM. SANDERS & CO. (WEDNESBURY) LTD.  
FALCON ELECTRICAL WORKS,  
WEDNESBURY, STAFFS.

**STAND K3**  
ELECTRICAL  
ENGINEERS'  
EXHIBITION  
EARLS COURT  
MARCH 17-21st

**1959**

# Ibstock

were chosen for  
this modern  
Police Station

designed to blend with its  
natural surroundings in the  
old-world village of AMPTHILL,  
BEDS.

When it is desired to erect a building to  
blend with its surroundings—there is a  
wide range of Ibstock Facings made in a  
variety of colours—machine- or hand-made  
to choice.

*Send for samples and full details.*

## Red Sandfaced FACING BRICKS



ARCHITECT:  
Vincent Goodman, F.R.I.B.A.,  
Bedfordshire County Architect.

BRICKS:  
2½" Red Sandfaced Wirecuts.  
BUILDERS:  
Lindum (Lincoln) Ltd.

★ The photograph is published with the kind permission of  
Vincent Goodman, Esq., F.R.I.B.A.

# Ibstock

## FACING BRICKS

IBSTOCK BRICK & TILE COMPANY LIMITED, Ibstock near Leicester.  
London: L.M.R. Goods Depot, Wright's Lane, Kensington, W.8.

Telephone: Ibstock 591 (3 lines)  
Telephone: Western 1281 (2 lines)

# RAWLINGS BROS

LIMITED

ENQUIRIES INVITED FOR

*Conversions. Decorations*  
*Electrical Installations*

RAWLINGS BROS LTD. 85 GLOUCESTER ROAD, LONDON, S.W.7. Telephone: FRE 8161

ESTABLISHED 1887



## Fitness for Purpose

"What are those big eyes for—Bush Babies?"

"So's we can see in the dark!"

From our earliest days, when we invented Duresco—the first and still foremost oil-bound water paint—we have studied the problems presented by new methods and materials and the need for a continuous development of decorative and protective coatings to keep pace.

Though we must confess that we have not yet succeeded in making a paint which will light up the dark, we have produced a whole series of specialities: amongst them—SILCOLAC which, by blending the best of traditional materials with the very latest synthetic resins, provides a porcelain-like finish of intense durability; DURESCO EMULSION COATING, a polyvinyl acetate emulsion paint with extraordinary opacity; TEXIDEC, a plastic texture paint which will withstand the rough usage of constant traffic in passages and corridors; TWINCOTE, the universal wall primer undercoat which is alkali resistant and possesses great hiding power. And many more . . .

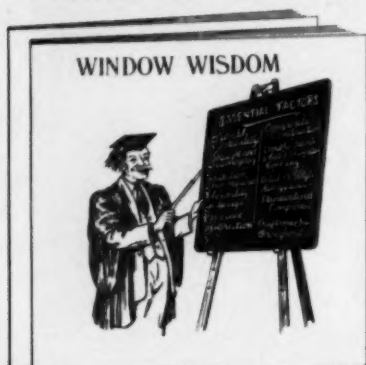
## Duresco Products

If you have a special problem on hand where the conditions are unusual and a new approach may be necessary, our TECHNICAL ADVISORY SERVICE is unreservedly at your disposal.

**DURESCO PRODUCTS LIMITED, THE INVENTORS OF WATER PAINT**

LONDON: Charlton, S.E.7., GREenwich 0034. MANCHESTER: 65 Great Ducie St., DEAnsgate 3161.

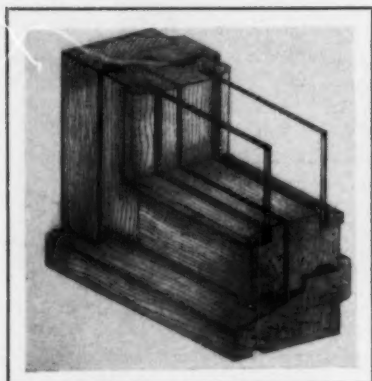
SEND FOR THESE **NEW**  
INFORMATION SHEETS!



THEY CONTAIN FULL DETAILS OF THE

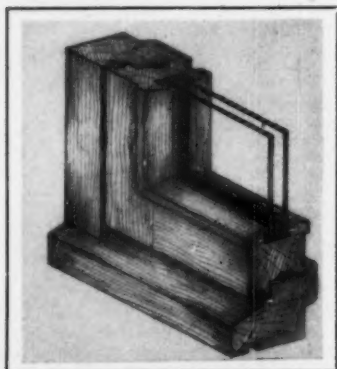


J. HONOUR & SON (Joinery) LTD  
TYPE V.C.



Coupled sash construction with  $2\frac{1}{2}$  in. ventilated cavity insulation for glass areas up to 35 sq. ft. facilitates cleaning of all surfaces from within and the installation of venetian blinds between panes.

TYPE S.C.

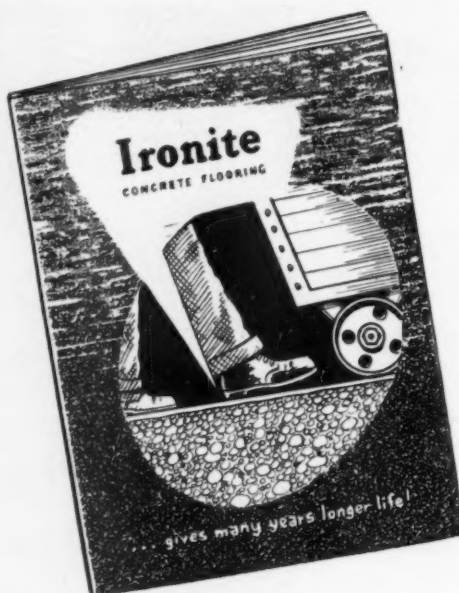


Single sash construction with  $\frac{1}{2}$  in. double sealed dry air cavity for glass areas up to 25 sq. ft., supplied preglazed and provides for replacement of one or both panes *in situ*.

J. HONOUR & SON (Joinery) LTD  
HEAD OFFICE & WORKS TRING HERTS

Phone: TRING 2158

SALES & DEVELOPMENT OFFICE: 272 KIRDALE S.E.26  
Phone: SYDENHAM 7614



...Seen this brochure yet?

*It contains full details of  
the proved hardener for  
industrial floors*

# Ironite

LEADING IN 1912 STILL LEADING IN 1959

## RECENT CONTRACTS INCLUDE:

New Works for Vickers-Armstrong, Barrow Island, 95,000 sq. yds. English Steel Corporation. Appleby-Frodingham Steel Company. Sheffield Twist Drill & Steel Company, 1,000 sq. yds. The Austin Motor Company, Standard Motor Company, Coventry. Convoys: Deptford 8,400 sq. yds. Fulham, 4,000 sq. yds. Ferranti Limited, Manchester. United Cannery, Boston. Tank Hangars: Warminster. I.C.I., Grangemouth. British Oxygen Company. R.E.M.E. Workshops for Tanks, Stirling. S.P.D. Depot, Aylesford. Chivers Limited, Histon. Colleges of Further Education: Accrington, Morecambe, Leigh. B.E.A. Gen. Stations: Southwark, Poole, Dartford, Llynfi, Deptford, Blackwall, East Yelland, Wandsworth. Docks: 21 Shed, Royal Albert Dock, No. 3 Shed, King George V Dock. Bus Depots: Portsmouth, Liverpool, Derby.

## THE IRONITE CO. LTD.

4 HOLBEIN PLACE  
LONDON, S.W.1

Grams: THORMOTVIN, KNIGHTS, LONDON

Phone: SLOANE 4777





begins with a

**BILSTON**

# ATLANTA



The change from old to new naturally begins with a Bilston bath! A Bilston Atlanta costs no more than an ordinary bath, yet its advanced design immediately brings an old-fashioned bathroom up to date. Brilliant, enamel finish ensures lasting beauty, and in addition, the Bilston range includes the exact colour required for any decorative scheme.



**Bilston**

—the bath **SPECIALISTS**

Atlanta ●  
Magna ●  
Cresta ●  
Mermaid ●  
Marina ●  
Bermuda ●

## THE VERSATILE ATLANTA

The Atlanta can be specified for any bathroom large or small! As well as the 66", the Atlanta comes in 54", 60", 61" (available in two widths), and 72" lengths.

The Atlanta 54, 60 and 61 must be preferred to any other baths of these sizes because they are exact replicas of the full size bath, scaled down to small proportions.

Atlanta flat bottom helps to prevent slipping—ensures comfort.

Atlanta shallow step is safe for young and old. The Atlanta can be fitted to give an overall height of only 16".

Taps can be fitted in three different positions to meet all possible requirements.

Corner tap mounting facilitates installation and maintenance.

The Atlanta is supplied with or without overflow—with or without hand-grip.



*Artistry in Manufacture*



Cut at our London Mills:

- Caucasian Walnut
- Figured & Plain White Sycamore
- Weathered Sycamore
- Figured Mahogany
- Pencil Stripe Sapele
- Figured Makore

Contact **THE TIMES** Manufacturers and Importers **VENEER CO. LTD.** for *ALL* your Veneer requirements

Olive Ash Butt Veneer

Veneer Mills  
and Offices:—**GOODWIN ROAD, EDMONTON, LONDON, N.9**

Telephone: EDMONTON 6311 (3 lines)

Telegrams: "Veneerwarf, Southtot"

**COMFORT SEAL HOMES with**

**NEW DURAflex VINL-STOP**

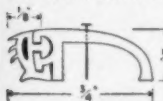
British  
Patent  
No. 754782*The ONLY Perfect Door Sealing System*

**VINL-STOP** . . . a unique new weatherstripping combining flexible vinyl — for complete sealing — locked in rigid vinyl frame . . . provides the first practical means for weatherstripping the entire doorway — positively locks out draughts, rain, snow, etc.

**VINL-STOP** seals by compression, creates no restriction to free movement of door . . . giving years of trouble-free service.

**NEW VINL-STOP Seals Better! Lasts Longer!**

**Installs Faster!** VINL-STOP nails and saws like wood—leaves no hammer prints—will not split, rust, rot, warp or swell. Can be painted if desired.

**SPECIFICATION**

. . . just three simple cuts required for perfect installation . . . no mitring . . . side pieces are pre-coped for snug corner fits. Nails supplied.

Retail price **30/-** per set for door openings up to 3ft x 7ft

**Post this coupon NOW!**

To Adams & Benson (Dalbuckirk) Ltd., DURAflex Division,  
Oldbury Road, Albion, W. Bromwich, Staffs.

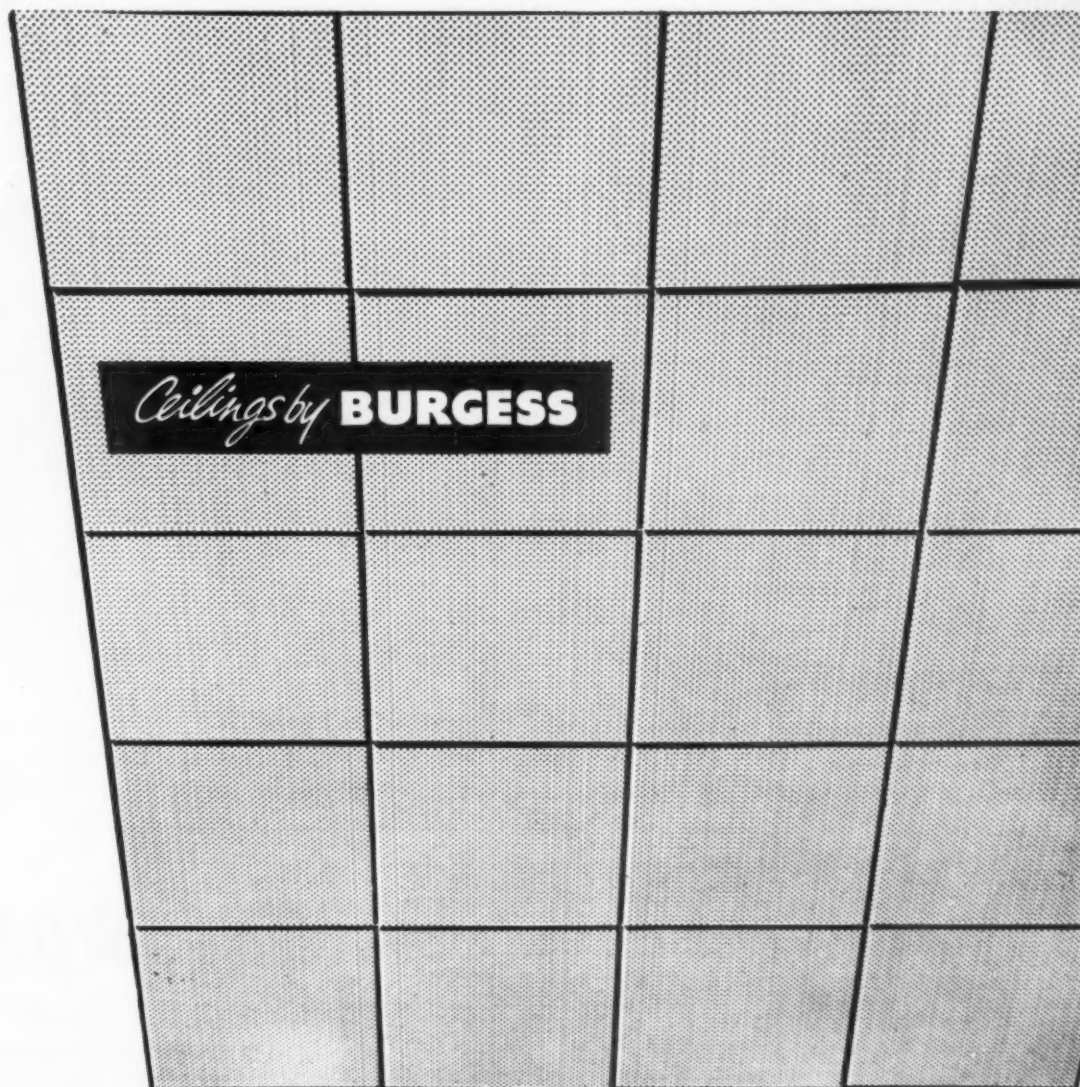
I am interested in VINL-STOP — please send me full details.

NAME.....

ADDRESS.....

ABN/I





"They're certainly attractive. Are they effective?"

"Yes, Burgess Acoustic Tiles have high sound absorption coefficients."

"What about sizes, colours, and so on?"

"12in and 24in squares, 9in by 24in and 12in by 24in rectangles—patterned if you like. They're electrostatically spray-painted and stoved in a standard off-white finish, but can be supplied in any of a 101 B.S.S. shades."

"Will they last?"

"—as long as the building! That's zinc-coated mild steel sheet up there."

"Any other features?"

"Plenty: they're fire resistant, simple and quick to install or remove, and easy to clean."

"Expensive?"

"No, these are Burgess Tiles, remember. You'd be surprised how reasonable they are, and their high thermal value can effect a fuel saving of 25 per cent!"

Selective sound control with BURGESS acoustic tiles

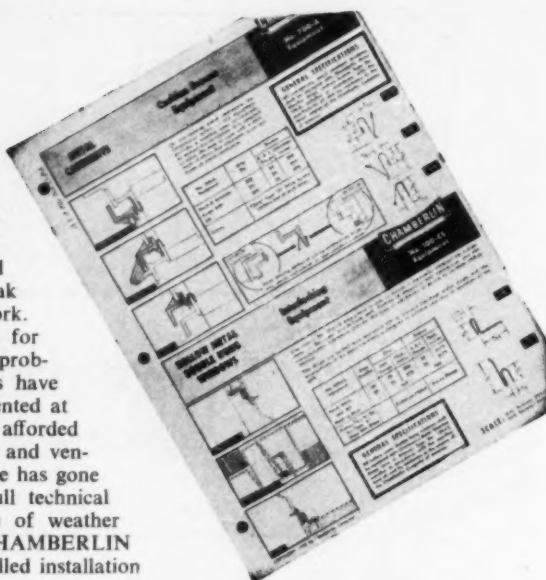
**BURGESS PRODUCTS CO. LTD.**

Acoustical Division, Hinckley, Leicestershire.



## Time was when...

DRAUGHTPROOFING was an afterthought, prompted only after time and the elements had sought out the weak spots of a building, to allow the draughts to go to work. Although the range of CHAMBERLIN fitments has for many years proved its effectiveness in curing draught problems, it is only comparatively recently that architects have come to appreciate the fact that draughts can be prevented at the drawing board, when fundamental consideration is afforded at the planning stage, along with that given to heating and ventilation. The findings of over half a century's experience has gone into the production of a binder folder, containing full technical details, with dimensional drawings of our full range of weather proofing materials, which can be yours on request. The CHAMBERLIN technical advisory service, implemented by teams of skilled installation craftsmen, is also at your disposal.



ARCHITECTS and BUILDERS are invited to write or phone for this set of data sheets, which will be sent by return of post.

# CHAMBERLIN

## SERVICE IN — DRAUGHTS OUT

CHAMBERLIN WEATHERSTRIPS LTD.

436 HOOK ROAD, CHESSINGTON, SURREY. Tel: Lower Hook 1181 (3 lines)

GD 61

## For management and men... ONLIWON

### TOILET TISSUE CABINET SYSTEM

More and more key industries are asking their architects about Onliwon

Managements like the Onliwon Toilet Tissue Cabinet System because it's easy to install and economical to maintain. It prevents pilfering and wastage. And also it raises standards of personal hygiene.

Men like it because it makes life at work more comfortable. And when life at work is more comfortable staff relations are better.

Wise Managements know that better staff relations always pay off. Wise architects include Onliwon in all industrial specifications.

And in the washroom — the paper towel cabinet system.



Locking Steel cabinets in green or white, each holding 150 large, strong absorbent paper towels.



Locking steel cabinets with refill indicator, each holding 760 (approx.) sheets of pure toilet tissue 5" x 5 1/2"



Regular large users of the Onliwon toilet tissue system are:—  
Aberthaw and Bristol Channel Portland Cement Co. Ltd., Aberthaw and Rhosce, Glam. · British Sugar Corporation, London · British United Shoe Machinery Co. Ltd., Leicester · Ford Motor Company Ltd., Dagenham · Hackney Borough Council · Hoover (Washing Machines) Ltd., Merthyr Tydfil · Ransome and Marles Bearing Co. Ltd., Newark-on-Trent · The Steel Company of Wales · The Metal Box Co. Ltd., London

The British Patent Perforated Paper Co. Ltd., Hackney Wick, London, E.9. Tel: AMHerst 4777 (5 lines). Manufacturers of Bronco toilet rolls and packets



# GANDY



**ALUMINIUM CASED STAIR TREADS**

FULL DETAILS AVAILABLE FROM

**GANDY LIMITED**  
WALLASEY • CHESHIRE • ENGLAND



## STONE FOR STABILITY

20, Albert Embankment

### ARCHITECTS:

T. P. Bennett and Son,  
43 Bloomsbury Square,  
London, W.C.1.

### CONTRACTORS:

Taylor Woodrow  
Construction Ltd.,  
Building and Civil  
Engineering Contractors,  
Ruislip Road, Southall,  
Middlesex.

# PORTLAND STONE

*Supplied and Fixed By*

**THE BATH & PORTLAND STONE FIRMS LTD.**

**Head Office BATH. Telephone: 3248**

LONDON  
VICTORIA 9182

PORTLAND  
2276

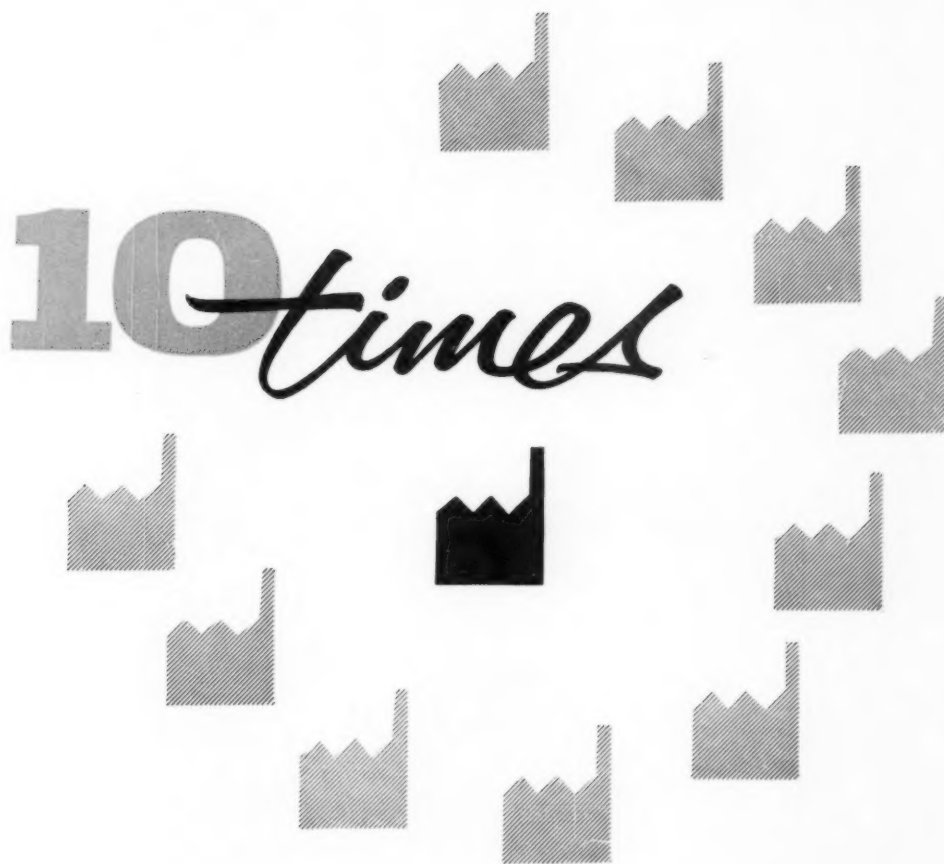
GLASGOW  
Bridgeton 2408

DUBLIN  
51018

LEEDS  
25971

LIVERPOOL  
ROYal 6501

BELFAST  
31444



**as many factories**  
**can have Pyrestos soon**  
FIBRE INSULATION BOARD

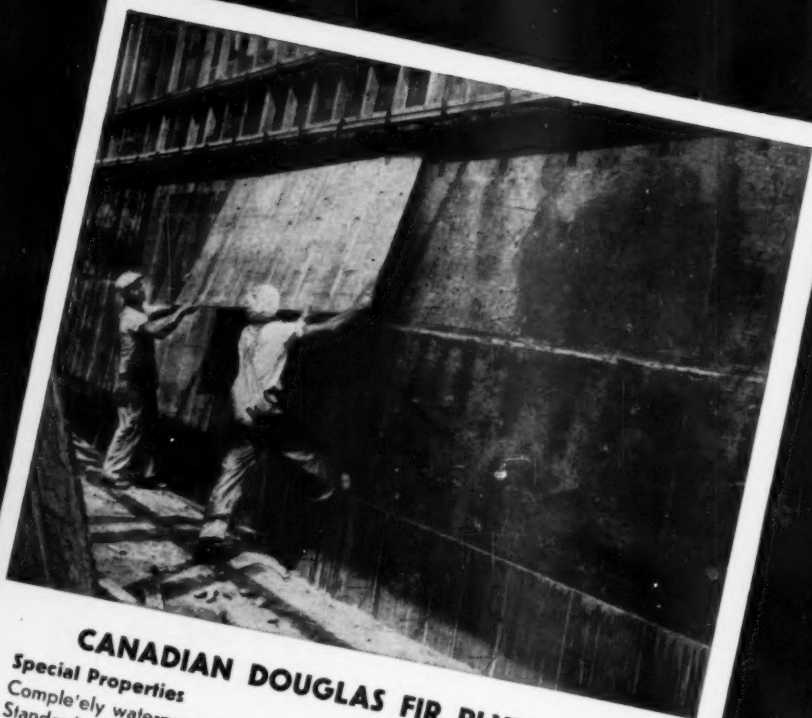


*every fibre a fire fighter*

PYRESTOS LTD. 8 BUCKINGHAM PALACE GARDENS, LONDON S.W.1

# CANADIAN TIMBER

...from Canada's vast forests  
a wood for almost every need!



## CANADIAN DOUGLAS FIR PLYWOOD

### Special Properties

Completely waterproof  
Standard 8' x 4' panels  
High strength-weight ratio  
Specific structural design data  
Graded to approved standards

### Typical Uses

Concrete shuttering  
Case making  
Wall and roof sheathing  
Flooring and Hoarding  
Boat Construction  
Pre-fab buildings  
Web beam construction

For further information on Canadian Woods, contact:  
Commercial Counsellor (Timber), Canada House, London, S.W.1.

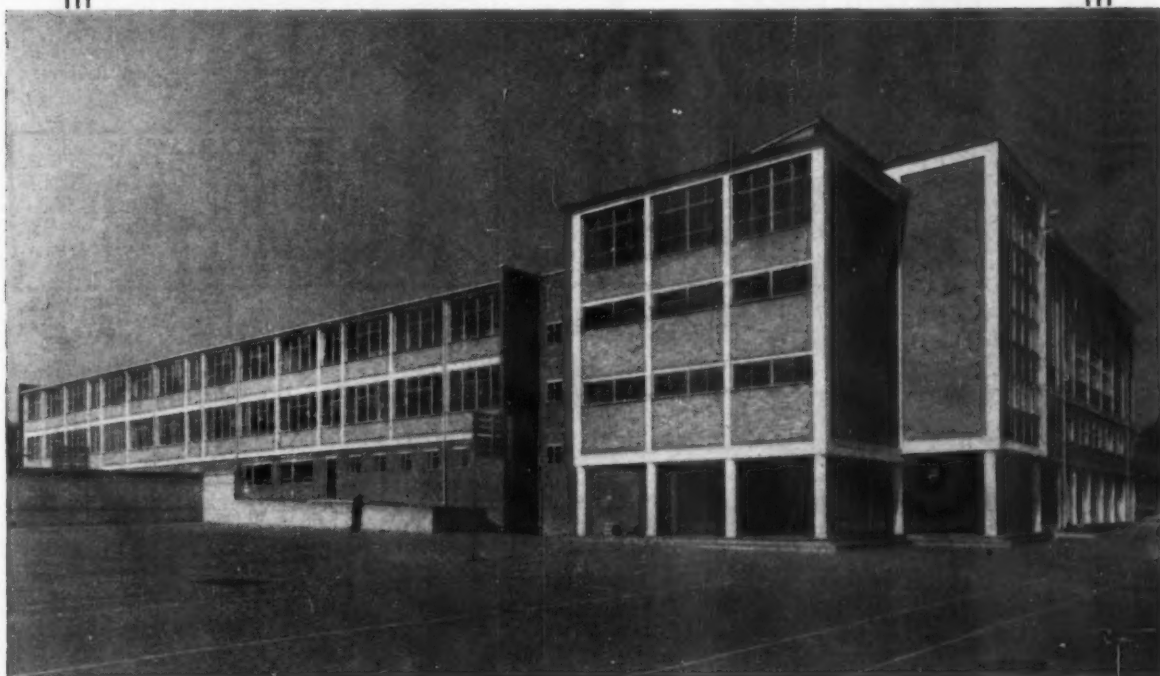


# *St. Mary's Grammar School*

## *Sidcup, Kent*

Architect:—

*F. G. Broadbent, F.R.I.B.A. of Goodhart-Rendal, Broadbent & Curtis*



### *Steel Windows, Doors and Lantern Lights*

*by*



## **LUXFER**



WAXLOW ROAD, HARLESDEN, LONDON, N.W.10

Telephone : ELGAR 7292

Telegrams : LUXFER, HARLES, LONDON

*Manufacturers of :— Metal Windows, Lantern Lights,  
Ferro-Concrete Pavement Lights, Bookstacks and Partitions*

plan with

# oil or solid fuel boilers Janitor in mind

Whether your customer buys a solid fuel boiler or an oil burning boiler often depends on your guidance. When you have agreed on the most suitable type, it will be in your interests to sell a Janitor, because a Janitor owner is a satisfied customer, and a satisfied customer is the source of many new customers through recommendation.

Design, workmanship and operating efficiency of Janitor Boilers are of the highest quality obtainable. Attractive hire purchase terms, which include all installation charges are available.

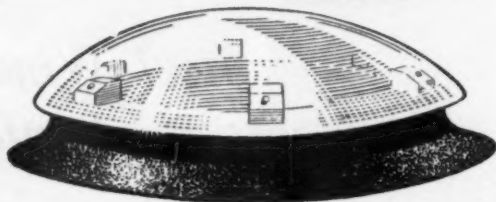
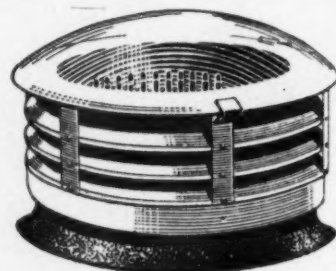
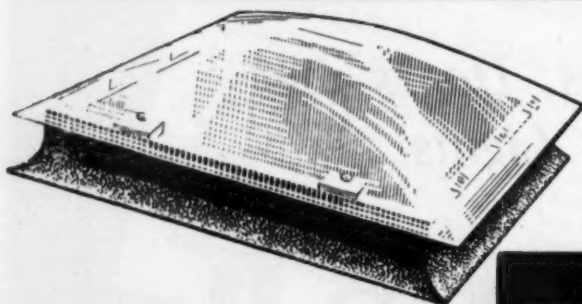
THE RANGE OF JANITOR BOILERS							
OIL-FIRED				SOLID FUEL			
JUNIOR	55,000	B.t.u/h		JUNIOR	35,000	B.t.u/h	
O.1.	80,000	B.t.u/h		A.1.	50,000	B.t.u/h	
O.2.	125,000	B.t.u/h		A.2.	80,000	B.t.u/h	
O.4.	200,000	B.t.u/h		A.2x.	110,000	B.t.u/h	
				A.3.	140,000	B.t.u/h	

remember **Janitor** means home comfort

JANITOR BOILERS LIMITED • Camberley • Surrey • Telephone: Camberley 2471-2-3

"Perspex"

## DOME ROOFLIGHTS



Full information and prices of circular, square and rectangular rooflights of our manufacture, in clear and diffusing opal material obtainable from—

WILLIAM J. **COX** LTD.

"PERSPEX" SHAPERS & FABRICATORS

A.I.D. APPROVED NO. 3676/42

559/561 HOLLOWAY ROAD • LONDON, N.19

Telephone: ARCHway 1174/1175



# Industrial plant

*... of all kinds*

All manner of static plant and equipment is covered by Ward's  
INDUSTRIAL PLANT DEPARTMENT

—Boilers (from smallest portable to largest of water tube and marine types), Tanks of all types (including Braithwaite Sectional Steel Tanks), Jacketed Pans, Chemical Plant, Steel and Aluminium Alloy scaffolding, Autoclaves, Air Receivers, Pipes and Tubing, Valves and Fittings, Boiler House accessories, etc.

*Write for further particulars*

INDUSTRIAL PLANT DEPARTMENT

**THOS. W. WARD LTD., ALBION WORKS, SHEFFIELD.**  
and BRETENHAM HOUSE, LANCASTER PLACE, STRAND, W.C.2.

**Telephone 26311 (22 lines)**  
Telephone TEM 1515 (12 lines)

## Transair Limited GATWICK

### Architects :

Clive Pascall, Esq., A.A. Dipl.  
F.R.I.B.A. and Peter Watson, Esq.,  
Dip. Arch. A.R.I.B.A.



### General Contractors:

Sir Alfred McAlpine  
& Son Ltd.



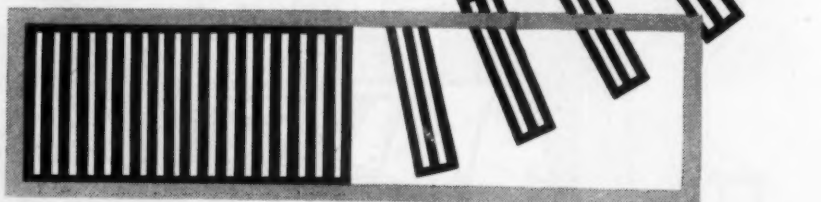
Vertical Alumell Patent Glazing to the Hangar and Aluminium Windows and Doors to the office supplied and fixed by :

**MELLOWES & CO. LIMITED**  
SHEFFIELD • LONDON • OLDHAM

# NEW!

A MADE TO MEASURE SECTIONAL GRILLE

- STANDARD SIZE SECTIONS
- TOUGH PLASTIC
- CONTROLLED FLOW DIRECTION
- CHOICE OF COLOURS



## F O R M A G R I L L E

An outstanding advance in grille construction. Simple, attractive, efficient, durable, light weight and low in cost.

Variants of the 'Formagril' are the 'Flectagril', which has hidden deflectors to give complete all-round control of air flow,

and 'Filtagril', which incorporates an efficient filter, easily accessible for removal, and for which replacements cost only a few pence.

For full details of these revolutionary grilles write for descriptive leaflet.



## HALL AND KAY LTD

AIR CONDITIONING ENGINEERS

ASHTON-UNDER-LYNE Lancs Tel: ASHTon-under-Lyne 2281 2/3 Grange "Hank" Ashton-under-Lyne  
LONDON OFFICE: 4 GRANVILLE GARDENS NORBURY S.W.16 Tel: Pollards 3233



In restaurants, hotels,  
ships, public buildings,  
private houses.

*Where*



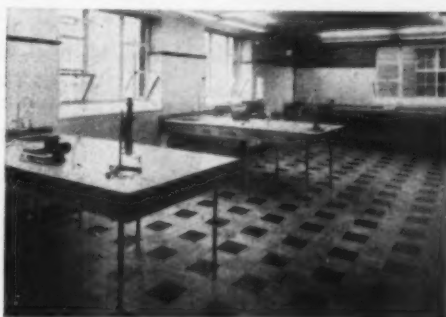
In shops, offices,  
cinemas, corridors,  
staircases.

*there's*



In laboratories, hospitals,  
schools, factories.

*wear*



there's  
**POLY-FLOR**

REGD.

#### VINYL FLOOR COVERING

This versatile material is tough, flexible, dimensionally stable and non-slip. It is easily cleaned, and resists many acids, alkalis, oils and greases detrimental to most other floor coverings. Rugged in wear, "POLY-FLOR" does not support combustion, withstands extreme climatic

conditions, termites and fungi, and is specially suitable for the tropics.

A range of 14 attractive permanent colourings, which permeate the full depth of "POLY-FLOR", provides a wide choice for designed or "all-over" flooring.

"POLY-FLOR" is available in precision cut tiles and continuous lengths of 15 yards by 60 inches wide which can be welded together to make a jointless, waterproof floor cover.

*Write for details and colour chart to:*

**JAMES HALSTEAD LIMITED**

14 CROW OAK WORKS, WHITEFIELD, MANCHESTER.

Telephone: WHITEfield 2251-4



# *Contemporary Lampholders* for Contemporary Lighting Schemes

For the first time a really contemporary design is available in domestic lampholders. Making a radical departure from traditional styling Nettle have produced these attractive holders in White, Black and Dove Grey. The variety of interiors includes the well-known coarse-threaded porcelain.



*Will harmonize with  
modern colour schemes*

\* Selected by the Council of Industrial Design for display at the Design Centre . . .  
Write Now for Leaflet to:-

## NETTLE ACCESSORIES LTD

**SALES DIVISION - WARREN STREET · STOCKPORT · CHESHIRE**

Member of the Aerialite Group of Companies



# PRECAST CLADDING UNITS

*Exposed Aggregate*

## TARMAC VINCULUM LIMITED

ETTINGSALL  
WOLVERHAMPTON

*phone: Bilston 41101.*

Vinculum Cladding Panels at the Flatted Factory, Holloway Head, Birmingham. Architects: Philip Skelcher & Partners, Chartered Architects in association with A. G. Sheppard Fidler, M.A., City Architect, Birmingham. Main Contractors: Turriff Construction Corporation Limited.

## EXTERIOR FINISHING



*By courtesy of the "Architect's Journal"*

House at Thames Ditton. Timber has been used for cladding and windows in a dwelling suited to its surroundings and modern living.

ARCHITECT: Michael Lyell

FINISHES: Vertical tongued and grooved boarding. Timber framed windows and timber transoms

### ***Before you decide . . .***

*Please do not hesitate to consult the T.D.A. who will supply you with the information on the uses and properties of the many hardwoods, softwoods, plywoods and veneers available today.*

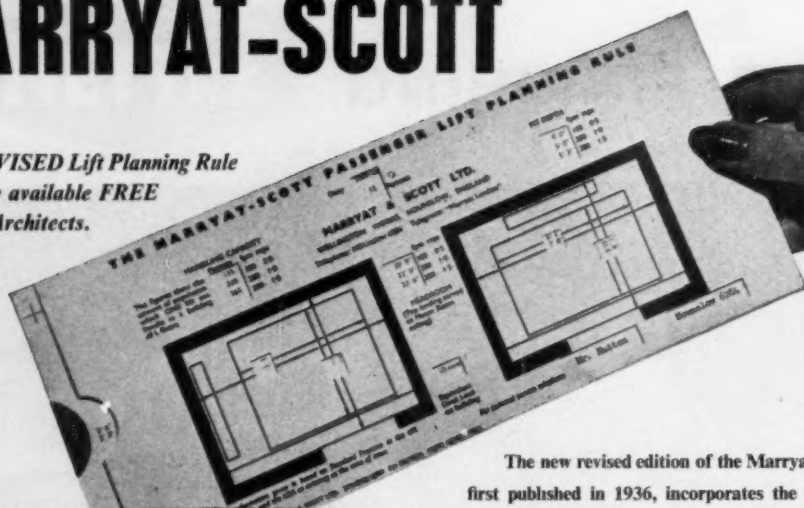
**CONSULT TDA**

Issued by the TIMBER DEVELOPMENT ASSOCIATION LIMITED • 21 COLLEGE HILL • LONDON • EC4 and branches throughout the country

TGA TD141

# MARRYAT-SCOTT

**REVISED Lift Planning Rule**  
now available **FREE**  
to Architects.



## LIFTS

The new revised edition of the Marryat-Scott Lift Planning Rule first published in 1936, incorporates the new British Standard and International Standard dimensions. Information is given on every type of Lift including Hospital Lifts, Goods Lifts and Service Lifts.

Established in 1860  
**MARRYAT & SCOTT LTD**

THE LIFT MANUFACTURERS  
Wellington Works • Hounslow • Middlesex

Hatton Garden, London, E.C.1. Telephone: HOLborn 8181

Telegrams: MARRYAT LONDON Telephone: HOUNSLOW 6284  
LEEDS • BRIGHTON • BRISTOL • GLASGOW •

Branches at—LIVERPOOL • MANCHESTER • BIRMINGHAM  
EDINBURGH • DUNDEE • DUBLIN and OVERSEAS

## Curtain Walling

All framing is of aluminium. The specially constructed mullions incorporate internal channel uprights to receive partitions. Vents are T.H., H.P.H. and S.H. (double windows). In-fill at spandril and below head is pale blue Muroglass.

New Offices: Smiths Stamping Works  
(Coventry) Ltd., Ribbles Road, Coventry.  
Architects:  
Redgrave & Clarke, A.F.R.I.B.A.



**THE STANDARD PATENT GLAZING CO. LTD**

WORKS: DEWSBURY Phone 1213-4

LONDON OFFICE

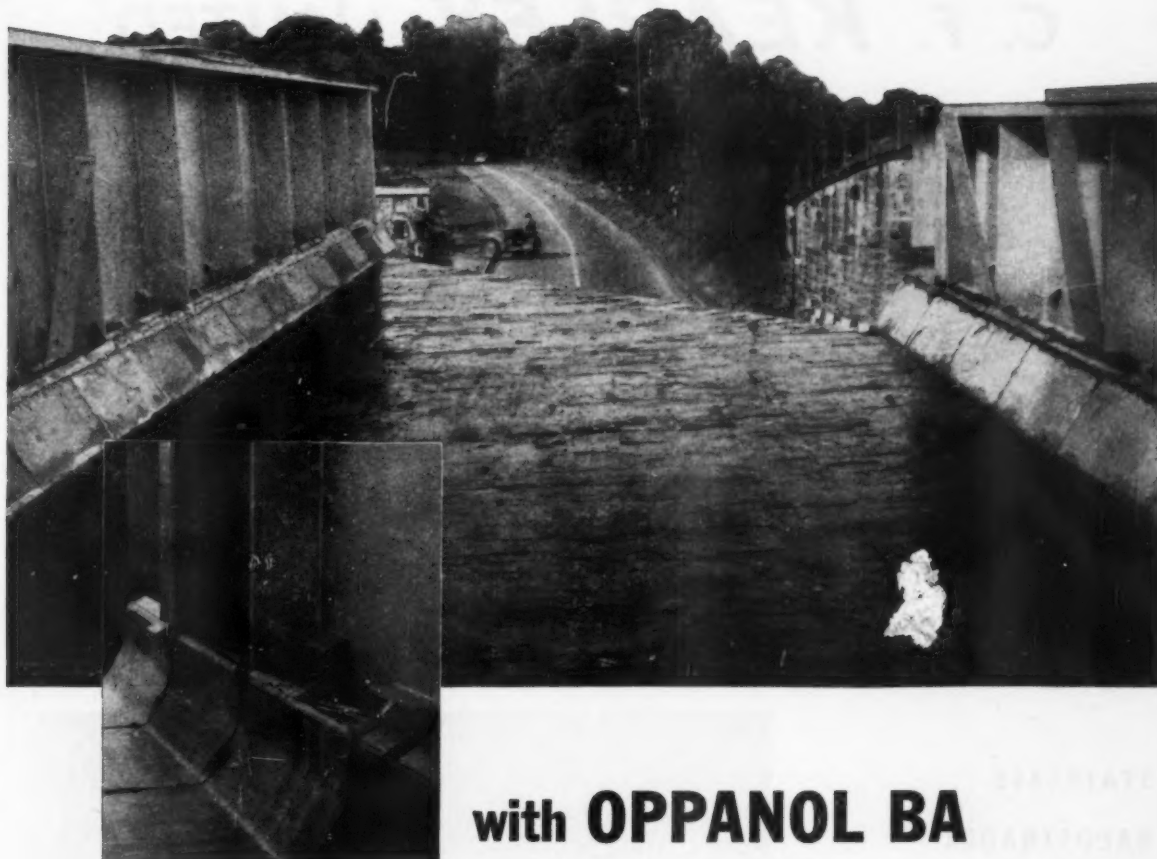
Phone: HOUnslow 3079

Branches at BIRMINGHAM and BRISTOL





## bridging the years



## with OPPANOL BA

### the waterproof plastic membrane

Photograph shows  
the deck before completion,  
with the bridge superstructure  
still to be rolled  
into its final position.  
(Courtesy of British Railways,  
Scottish Region)

Once laid it's laid for life.

The most durable of all waterproofing materials, Oppanol BA is now protecting the steel plate flooring on a new bridge carrying the railway over the Glasgow/Greenock Trunk Road at Langbank, Renfrewshire . . . flooring which is then covered with concrete slabs and ballast and hidden from inspection. Easily laid, Oppanol BA has the essential strength and flexibility to withstand continued vibration in a structure of this kind. It does not swell, rot or age, and its use completely eliminates the need for periodic maintenance work. Ideally suitable for proofing bridges, and for all roofs, floors, foundations, tanks and tunnels, Oppanol BA ensures lifelong protection wherever waterproofing is a problem.

*Please write for literature and samples.*

**F. A. HUGHES & CO. LTD** 4 STANHOPE GATE LONDON W1 HYDE PARK 6080

# **C. F. KEARLEY LIMITED**

**BUILDING CONTRACTORS**

**BRITISH GROVE, CHISWICK, LONDON, W.4**

**Main Contractors for  
PARK GATES EASTBOURNE**

**C. J. PELL & Partners Consulting Engineers**

**Architect  
H. Hubbard Ford  
F.R.I.B.A.**

**STAIRCASE  
BALUSTRADES  
GATES, RAILINGS  
GRILLES, Etc.  
IN IRON, BRONZE  
OR ALUMINIUM**

**BY**

**WILLIAM SMITH**

HADDON WORKS,  
16-22 BOSTON PLACE,  
LONDON, N.W.1  
PADdington 2402



ALUMINIUM BALUSTRADE AT LLOYDS

ARCHITECT: T. E. HEYSHAM, ESQ., F.R.I.B.A.

*Established 1834*

WILLIAM  
**COWLIN**  
AND SON LIMITED



*Building Contractors*



*Head Office:*

**STRATTON STREET, BRISTOL 2**

Telegrams: CONSTRUCT, BRISTOL Telephone: 22132 (7 lines)

*Precast Concrete Works:*

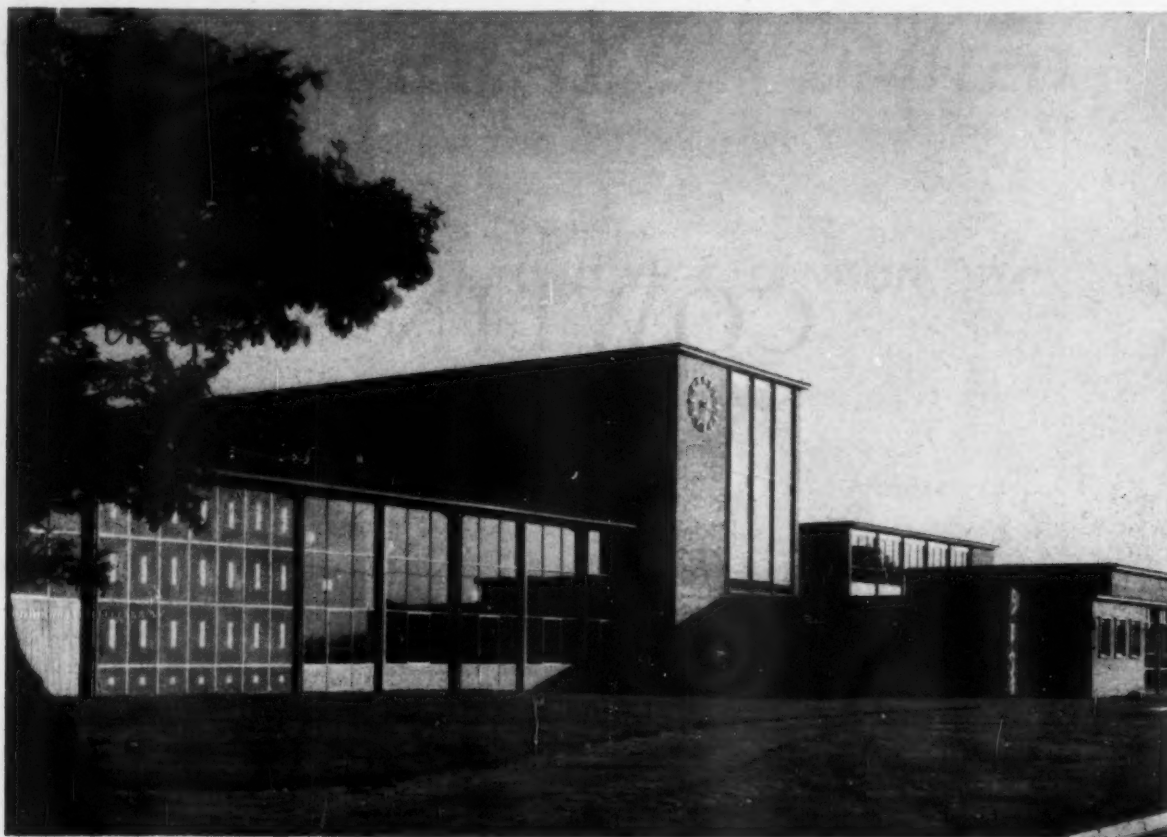
**ROSE GREEN, ST. GEORGE  
BRISTOL 5**

*South Wales Office:*

**PENARTH ROAD, CARDIFF**

Telephone: Cardiff 32736 (2 lines)

# WOBASTON SECONDARY MODERN SCHOOL



AS DESCRIBED IN THIS ISSUE

Architects: LAVENDER, TWENTYMAN & PERCY F./A.R.I.B.A.

*Main Contractors*

## MCKEAND SMITH

AND COMPANY LIMITED

**SHOWELL ROAD, WOLVERHAMPTON**

*Wolverhampton 31231/2, 31334*

---



# \* STELLITH

## for STRUCTURAL insulation

As any knowledgeable builder will tell you STELLITH is the name for wood wool slabs and channel reinforced roofing slabs of top quality. Combining light weight with exceptional structural strength, STELLITH offers excellent heat and sound insulation, and embodies effective resistance to fire and condensation. Easily handled, cut and fixed, its many applications include:—

1. Structural insulating roof deck with channel reinforced STELLITH
2. Structural insulating roof deck laid in steel tees.
3. Structural insulating roof deck over timber joists.
4. Structural insulating roof deck over concrete purlins.
5. Sarking over rafters.
6. Structural insulation under all types of metal roofing.
7. Structural insulating lining to concrete or steel frames.
8. Insulating lining under asbestos or corrugated iron roofing.
9. Suspended ceilings.
10. Insulation over concrete roofs.
11. Permanent insulating shuttering to roofs and floors.
12. Permanent insulating shuttering to walls.
13. Self-supporting partitions.
14. Timber stud partitions.
15. Insulating lining to brick walls.
16. External wall cladding.
17. Insulating tank and cistern cladding.

STELLITH was used on the following contracts, which are featured in this issue.

**Burroughs Adding Machine factory,** Cumbernauld — 3,500 sq. yds. 2" STELLITH Heavy Duty Wood Wool Slabs, used for Permanent Insulation Shuttering.

**Hackenthorpe Secondary Modern School.** Approximately 1,100 sq. yds. 2" thick STELLITH Wood Wool Slabs used.

**Lady Lumley's School, Pickering.** Approximately 3,500 sq. yds. 1½" thick STELLITH Wood Wool Slabs used.

**Salford Royal Technical College.** Approximately 250 sq. yds. 2" STELLITH Channel Reinforced Roofing Slabs used for Corridor ceilings.

**Slough Secondary Technical School.** Approximately 3,000 sq. yds. 2" thick STELLITH Heavy Duty Wood Wool Slabs used.

## STELLITH with Special Finishes

We can now supply  
STELLITH with Fair Faced Finish  
on Soffite.  
STELLITH lined with Insulation  
Board on Soffite.  
STELLITH lined with ASBESTOLUX  
on Soffite.  
Further details on application.

# \* STELLITH

wood wool slabs and channel reinforced roofing slabs

Technical information sheets on the above, and other uses of STELLITH available on request from

**STELLA BUILDING PRODUCTS LTD.**

Wallsend Road, North Shields, Northumberland.

Tel.: North Shields 1474/5



## COUNCIL FLATS UNDER CONSTRUCTION AT ST. JUDE'S, BRISTOL



Architect :

A. H. Clarke, Esq., F.R.I.B.A., A.M.T.P.I.  
City Architect, Bristol

Consulting Engineers :

Clarke, Nicholls & Marcel

# STONE

& CO. (BRISTOL) LTD

*Building & Civil Engineering Contractors*

operating in

SOUTH-WEST ENGLAND AND WALES

*Specialists in all classes of Reinforced Concrete Construction*

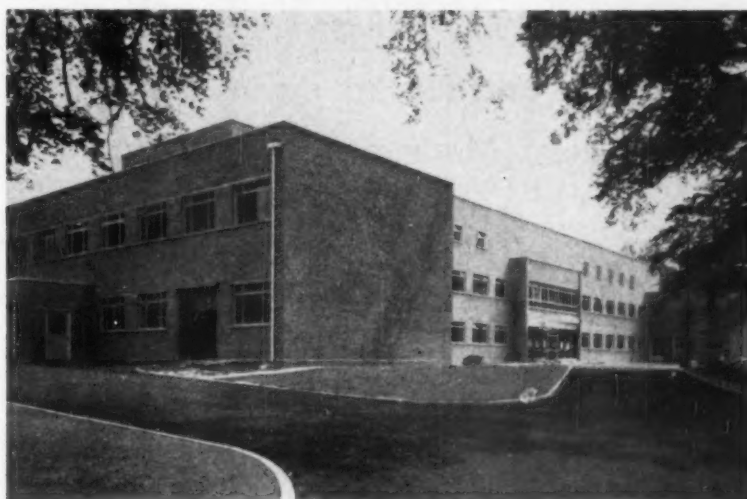
MANUFACTURERS OF HIGH-QUALITY JOINERY

HEAD OFFICE AND  
JOINERY WORKS

REDLAND ROAD  
BRISTOL, 6

Established 1892

## TUBE INVESTMENTS RESEARCH LABORATORIES



MAIN BLOCK

## WILLIAM SINDALL LTD CAMBRIDGE

*CRAFTSMEN IN WOOD, METAL & STONE*



CANTEEN

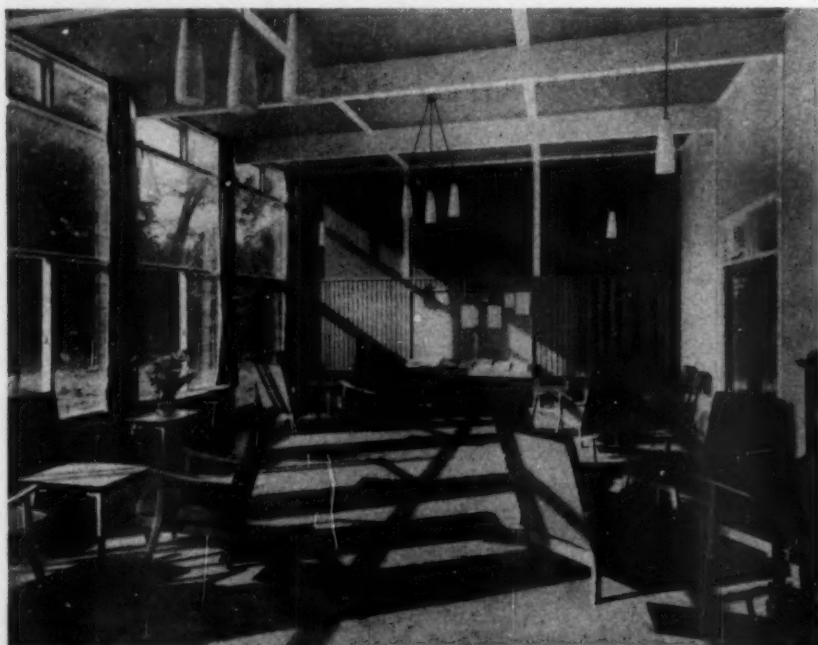
The builders of  
the new extension to the premises of  
William Mallinson & Sons Ltd.

# ASHBY & HORNER LTD.

BUILDERS

LONDON

Established 1740



Cost of DERWENT super-structure is competitive and simple foundations required reduce overall building cost.

An extensive range of components and flexibility of system gives great freedom of design.

Insulation value is high—heating costs low.

Site assembly is fast, giving rapid completion.

Elasticity and low weight of all timber construction is ideal for "difficult" sites.

Western Red Cedar or West African Varnished Mahogany cladding gives warm, sympathetic finish.

Use of highly prefabricated system simplifies preparation of working drawings.

**derwent**

HOSTEL for LOUGHBOROUGH COLLEGE of TECHNOLOGY

## VIC HALLAM LTD.

prefabricated timber structures - langley mill, nottingham

phone langley mill 2301 (7 lines)





THE ARCHITECT and Building News, 28 January 1951



Ore Store,  
purification and blending  
buildings at Springfield Uranium  
Plant, Lancashire.

Photograph by courtesy of  
United Kingdom Atomic Energy Authority.

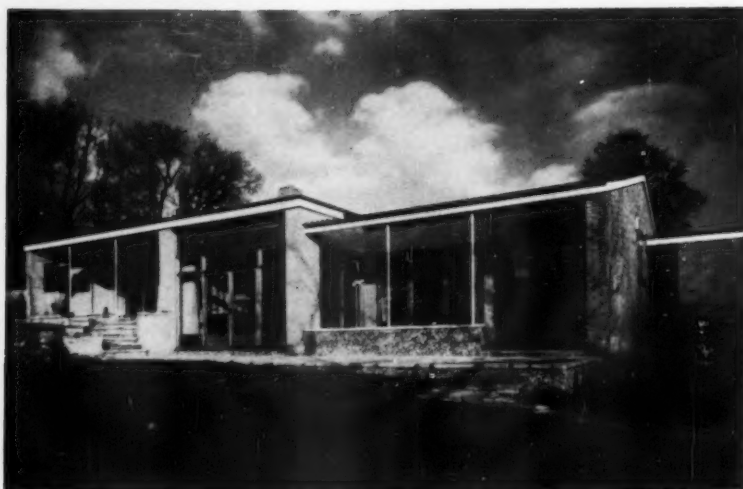
**THE TEES SIDE BRIDGE  
& ENGINEERING WORKS LTD.**  
MIDDLESBROUGH

London Office: 56 Victoria Street, S.W.1

“**Tees Side**”

# IF YOU REQUIRE

—  
**THIS**  
—



*Bethany Lodge, Monken Hadley. Architects: Cutting & Miller, A.R.I.B.A.*

—  
**OR THIS**  
—



*Police Residences, Mitcham, Surrey. J. Innes Elliott, A.R.I.B.A., B.Arch.(L'pool)*

—**CONTACT**—

## KIND & COMPANY

(BUILDERS)

LIMITED

BUILDING CONTRACTORS, 564 HIGH ROAD, LEYTONSTONE, E.11  
LEYTONSTONE 2308

## Fast delivery to any site

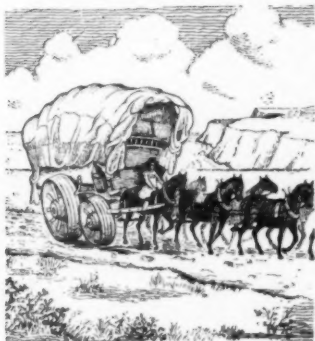
Today, delivery is fast and efficient — when you order Ferodo Stairtreads. For there are Ferodo wholesalers and twenty Ferodo Depots in major towns and cities up and down the country.

Ferodo Non-Slip Stairtreads blend with any interior decorations and even after years of constant use they give a reassuring foothold. Staircases in many kinds of public buildings and factories are fitted with Ferodo Stairtreads because they prevent accidents and are easy to clean.

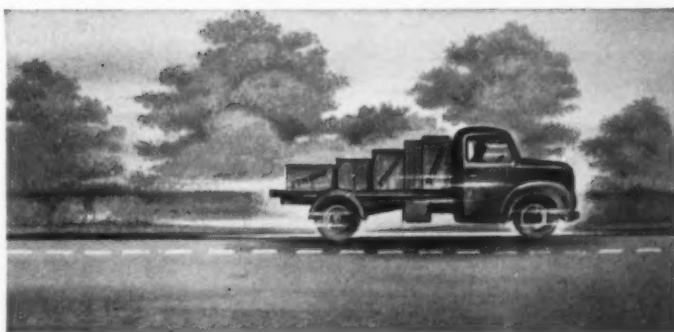
Ferodo Stairtreads are available in 7 colours, 3 types of metal channel and 39 types of tread to suit any stair.

*A Ferodo technical advisory service is available and a technical representative is in your area.*

### TEN MILES A DAY BY STAGE-WAGON



Sir Christopher Wren waited so long for deliveries of materials, but he expected nothing better. It was tough going for the teams of horses that drew the slow wagons of the 17th Century — the roads were deeply rutted and the wagons often overloaded.



## FERODO

non-slip stairtreads

*For your Reference Files: New Illustrated literature in full colour will be sent on request to Stairtreads Dept.,*

FERODO LIMITED • CHAPEL-EN-LE-FRITH  
*A Member of the Turner & Newall Organisation*

# The Lowline

## Porcelain Enamelled Bath



New to the range of 'Standard' baths is the Lowline. Its flat bottom gives a no-slip safety to young as well as elderly users and is a great advantage if an overhead shower is fitted. Overall length is 5' 6" and there is a choice of overall height varying from 17½" to 23" which, together with a shallow internal depth, allows very easy access. The Lowline has an anti-splash rim at the sides and head end. At the waste end, pillar taps can be fitted centrally or on either corner—for ease of installation and maintenance. The Lowline is also available without pillar tap holes, and with or without overflow. The chromium-plated handgrip in the illustration is an optional extra.

The Lowline—made of rigid cast-iron with a superb glossy porcelain enamel finish—is available in a choice of white or any of the five distinctive 'Standard' colours, and with a variety of fittings and matching panels.

Section through centre  
of Lowline Bath



**"Standard"**  
PORCELAIN ENAMELLED  
*Cast-iron* BATHS

Manufactured by

**IDEAL BOILERS & RADIATORS LIMITED**  
**IDEAL WORKS · HULL**

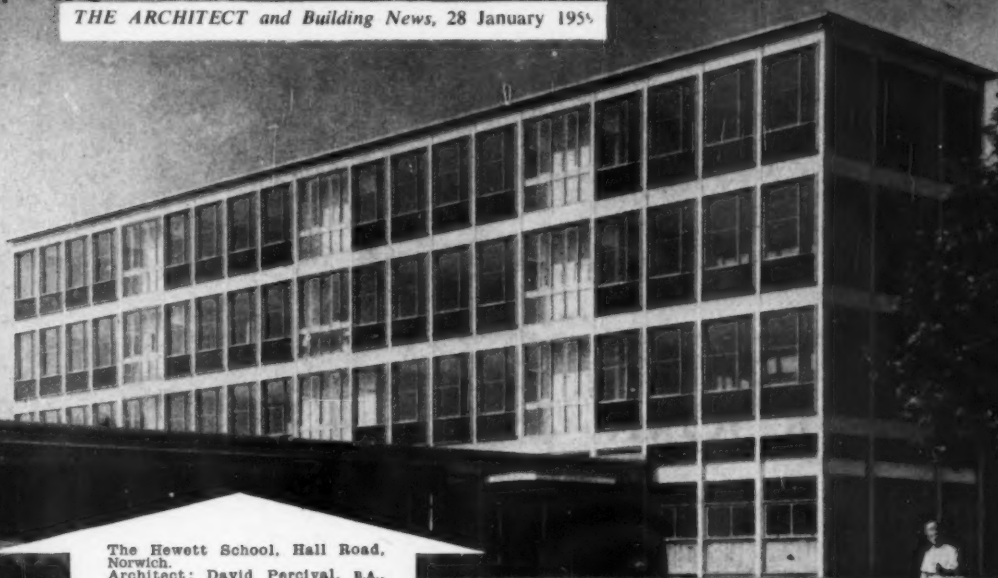
434



Full details and literature available on request



THE ARCHITECT and Building News, 28 January 1955



The Hewett School, Hall Road, Norwich.  
Architect: David Percival, B.A., A.R.I.B.A., M.T.P.I.  
Asst. Architect: H. J. Barker, A.R.I.B.A.  
For further details of this INTERGRID project see "Review of the Year" feature.



The Manor Guildhouse, Coventry.  
City Architect and Planning Officer: A. G. Lins, B.A. (Arch), F.R.I.B.A., M.T.P.I.  
For further details of this INTERGRID project see "Review of the Year" feature.

*New*

## INTERGRID

**INTERGRID** is a system of construction for buildings or building frames making use of prestressed concrete and designed to comply with Model Bye Laws and Codes of Practice.

**INTERGRID** is the most advanced system for reinforced concrete frames and is suitable for every type of multi-storey building. Provision has been made in the design to allow Architects complete freedom of planning and to incorporate traditional cladding and other features.

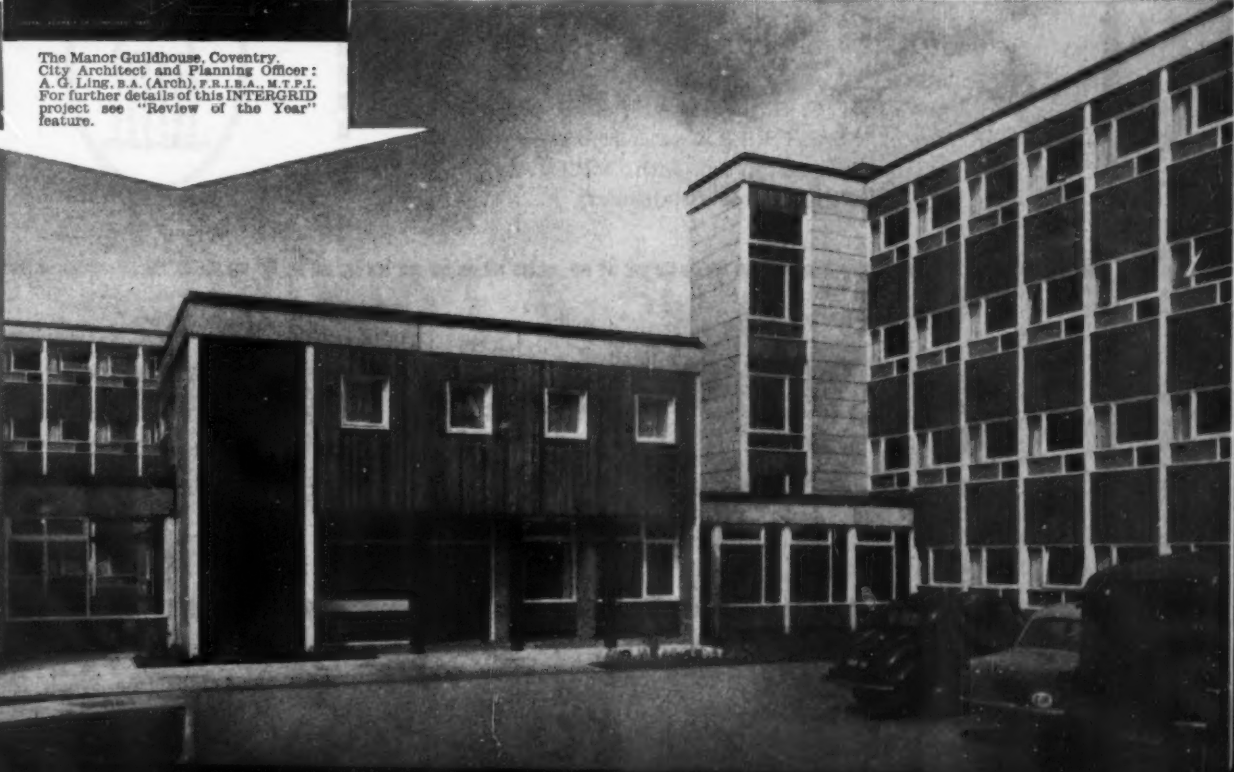
**INTERGRID** is backed by the experience of Gilbert-Ash Ltd. who retain as consulting engineers The Pre-Stressed Concrete Associates.

PRECAST CONCRETE SYSTEM OF CONSTRUCTION  
BY

**GILBERT-ASH LTD.**

BUILDING AND CIVIL  
ENGINEERING CONTRACTORS

2 Stanhope Gate • London W.1 • GROSvenor 8801



*Main Contractors  
for  
'THE NEW GOG' P.H.*

---

**E. A. ROOME & CO. LTD**

7 Urswick Road, London, E.9

AMHerst 3278-9

---

**Contractors & Joinery Manufacturers**

Established 1868

*Main Contractors for  
Hackenthorpe Carter Lodge  
County Secondary School*

*Architects: H. C. Hughes, M.A., F.R.I.B.A. and  
P. Bicknell, M.A., F.R.I.B.A. in collaboration with  
F. Hamer Crossley, Dip. Arch., F.R.I.B.A.  
(Derbyshire County Architect).*



---

**W. MALTHOUSE LTD.**

HEAD OFFICE: DERBYSHIRE LANE, SHEFFIELD 8

TELEPHONE: 50006 (3 LINES)

# **KINGSHURST HIGH SCHOOL**

**TILE CROSS**

**BUILT BY**

# **BRYANTS**

**BUILDING & CIVIL ENGINEERING CONTRACTORS**

## **C. BRYANT & SONS LTD.**

**SMALL HEATH • BIRMINGHAM 10**

**TELEPHONE: VIC 2333 (10 lines)**

*Main Contractors for*

## **WEST WALES GENERAL HOSPITAL**

**Glangwili, Carmarthen**

## **E. TURNER & SONS LTD**

*Head Office—Penarth Road, Cardiff*

Tel : Cardiff 29651-3

Dolgwili  
Carmarthen

Tel : Carmarthen 6950

31 Walter Road  
Swansea

Tel : Swansea 56071

*Specialists in Stonework and Joinery*

## **GENERAL CONTRACTORS**

For the new Ferodo Ltd. Research Centre, Chapel-en-le-Frith

*Architects: Ashworth & Fletcher*

## **J. GERRARD & SONS LIMITED**

*Builders and Civil Engineering Contractors*

**SWINTON · MANCHESTER**

Telephone: Swinton 2261; Branches at London and Ipswich

**GERRARDS**  
*of Swinton*

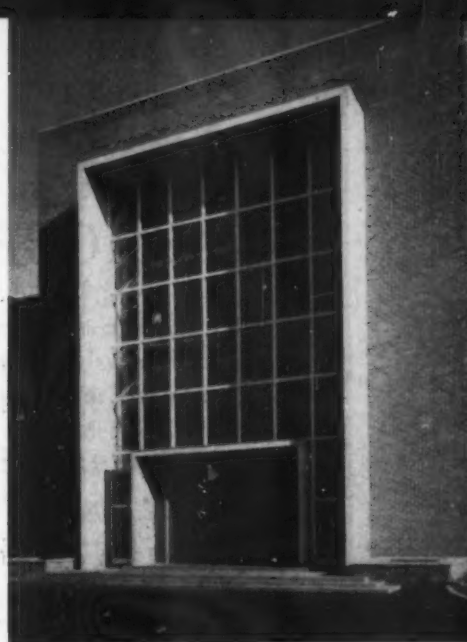
**EXPERIENCE COUNTS**



THE ARCHITECT and Building News,  
28 January 1959

#### Entrance detail

The projecting canopy  
is fairfaced in-situ  
reinforced concrete  
poured in 3 lifts.



Front elevation

### NEWPORT AND MONMOUTHSHIRE COLLEGE OF TECHNOLOGY

Principal: F. W. R. Harrison, J.P., B.Sc., M.I.Mech.E., M.I.Mar.E.

Selected by the "Architect & Building News"  
as one of the Buildings of the Year.

architect: Sir Percy Thomas & Son, P.P./A.R.I.B.A.

## The **Demolition & Construction** Co. Ltd.

BUILDING, CIVIL ENGINEERING & PUBLIC WORKS CONTRACTORS



London  
Cardiff  
Liverpool  
Newcastle-on-Tyne

## PROSPEROUS NEW YEAR

*The Chairman and directors of E. H. Burgess Ltd send their best wishes for a happy and prosperous New Year to all readers of the ARCHITECT & BUILDING NEWS. They have pleasure in calling their attention to the photograph in this issue, illustrating the Highgate School extension, which, under the supervision of the architects, Oswald P. Milne and A. Underhill, F.R.I.B.A., they recently completed.*

*This is one of the many recent contracts carried out by E. H. Burgess. Others include—*

Commonwealth War Memorial, Brookwood  
Downside Abbey Extension, Somerset  
Southern Television Centre, Southampton  
Little St. Peter's Church, Cricklewood  
St. Andrew's Boys' Club, Westminster

### E. H. BURGESS LTD

*Building and Civil Engineering Contractors*

34 GROSVENOR GARDENS, LONDON S.W.1

Branches at BRENTFORD LEAMINGTON SOUTHAMPTON



### HALL OF RESIDENCE

Manor House

Northfield

for the University of Birmingham

Architects: Holland W. Hobbiss and Partners

**W. T. PICKERING (Builders and Contractors) LTD**

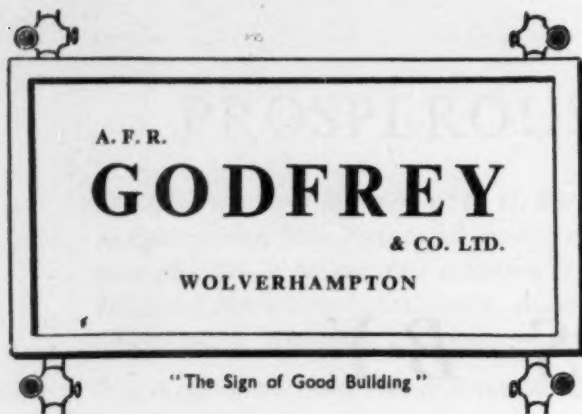
1-3 ALCESTER ROAD, BIRMINGHAM, 13

Telephone: SOUTH 2576/7/8

# *FLATS BY* **CHOWN**



FLATS AT LISSON GROVE, LONDON, N.W.8



## MAIN CONTRACTORS

for Dale Street Re-development  
Scheme, Wolverhampton

HEAD OFFICE:

**46 WATERLOO ROAD, WOLVERHAMPTON**

Telephone: Wolverhampton 26351-2-3    Telegrams: ERECT, Wolverhampton

*Didcot Girls'*  
*Grammar School*

**Main Contractors:**



Frederick J.

**MINNS**

& Co. Ltd

**OXFORD**

Established 1934

Telephone: Oxford 48093 (9 lines)





# **JOHN TURNER**



**& SONS (PRESTON) LTD**

**BUILDING CONTRACTORS & CIVIL ENGINEERS**

ARE

**MAIN CONTRACTORS**

FOR THE NEW

**SALFORD ROYAL  
TECHNICAL COLLEGE**

*Architect - G. Noel Hill, Esq., F.R.I.B.A., M.T.P.I.*

*Lately County Architect of Lancashire*

**WILLIAM HENRY STREET**

**PRESTON**

**TEL: PRESTON 2867/9**

# HUTTON BROOKFIELD JUNIOR SCHOOL

(Illustrated in this issue)

Is one of a number of schools constructed and completed for Essex C.C., under the direction of H. CONOLLY, Esq., C.B.E., F.R.I.B.A., (County Architect)

Main Contractors

# WHYATT

(BUILDERS) LTD.

Contractors to :

Air Ministry, M.O.W., M.O.S., Ministry of Fuel and Power, W.O., London Transport Executive, Central Electricity Generating Board, British Transport Commission, Port of London Authority, L.C.C. and Essex C.C., and Local Authorities.

Head Office :

**Bentley House, 225 Streatham High Road,  
LONDON, S.W.16**

Tel. : Streatham 4471 (9 lines)

## F. PERKS & SON Ltd

*Building Contractors*

ERECTORS OF THE NEW  
FACTORY, LONG EATON

*for*

**LEISURE KITCHEN EQUIPMENT  
LTD**

Bridge Street                      Long Eaton

Telephone Nos. 347/8

Architect : Mr. J. W. Wilcox

*New Students' Hostel and Dining  
Accommodation*

*Essex Agricultural College, Writtle*

(Architect : H. Conolly)

## ARTHUR J. ARNOLD LTD.

BUILDING, DECORATING and  
ENGINEERING CONTRACTORS

**Anchor House, New Writtle St.,  
Chelmsford, Essex**

Phone : CHELMSFORD 2564

some  
contracts in the  
southern counties



East Berks. College of Further Education, Maidenhead.  
Architect: J. T. Castle, F.R.I.B.A., A.M.T.P.I.

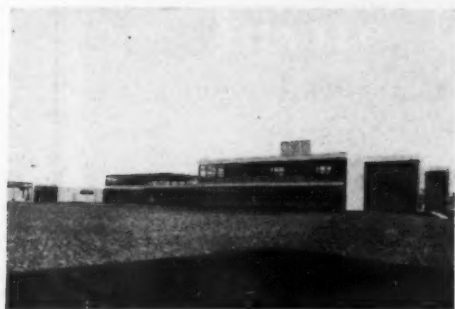


Forest Grammar School, Winnersh.  
Architects: Howard V. Lobb & Ptnrs. F/R.I.B.A.

**J. M. JONES & SONS, Ltd.**  
BUILDERS  
**MAIDENHEAD**



Westgate Secondary Modern School, Slough.  
Architect: F. B. Pooley, F.R.I.B.A.



St. George's Secondary Modern School, Wallingford.  
Architects: Richard Sheppard, Robson & Ptnrs.,  
F/R.I.B.A.



THE SIGN OF GOOD BUILDING  
IN EAST ANGLIA

DRAYTON  
NORWICH

and GREAT YARMOUTH

Phone DRAYTON 355 (5 lines)

GORLESTON 1190

Main Contractors for the erection of the 45 Flats  
and Maisonnettes at the Heartsease Estate, Norwich

**R. G. CARTER, Ltd**  
*Builders and Contractors*

Extension to  
"Kent Messenger"  
Building

MAIN CONTRACTOR  
**H. GOODSSELL & SON, LTD**  
32 SANDLING ROAD  
MAIDSTONE, KENT  
Telephone 2236 (2 lines)

Branches at  
CANTERBURY  
and  
CHATHAM

PORTSMOUTH  
TECHNICAL HIGH SCHOOL



**JOHN HUNT LTD.**

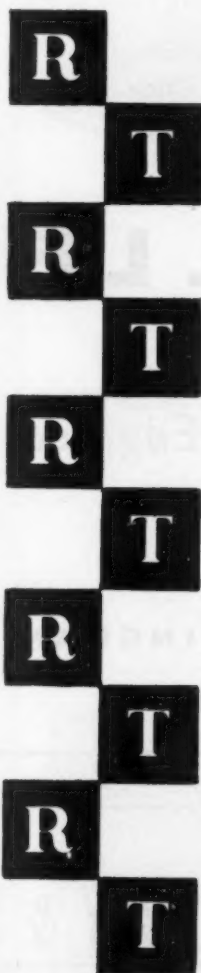
*Building  
Contractors*

SOUTH WHARF, CLEVELAND ROAD  
GOSPORT

Tel: GOSPORT 89106-7-8 (3 lines)

and at Church Road, Alverstoke Tel: GOSPORT 8521





**Experience**

**Knowledge**

**Organisation**

**Equipment**

**Co-operation**

**Invite**

**BUILDING & CIVIL ENGINEERING  
CONTRACTORS**

**RUSH & TOMPKINS**

**LTD**

**SIDCUP • LONDON • DURBAN  
COLOMBO • EDMONTON, ALBERTA**

Contractors to all Government Departments  
Office Blocks · Contracts for Civil Engineering  
Factories and Warehouses · Housing  
Churches and Schools

# JAMES MILLER

and Partners Limited

*Building & Civil Engineering  
Contractors*

Also at  
EDINBURGH  
LONDON  
HAYES  
WAKEFIELD

**SPRING VALE  
EDGBASTON, BIRMINGHAM, 15**

Telephone: CALTHORPE 0572-3-4

## STIRTON PARTNERS LIMITED

*CIVIL ENGINEERING AND  
BUILDING CONTRACTORS*

COMPLETED NODEWAY FILLING STATION WELWYN

- IN 14 WEEKS
- SPEED WITH QUALITY

3 ST. MARY'S PLACE, STAMFORD, Lincs.  
AND  
28 VICTORIA STREET, LONDON, S.W.1

## G. DUXBURY & SONS

LEICESTER

MAIN CONTRACTORS AND  
JOINERY SPECIALISTS FOR

**"THE MAYFLOWER" LEICESTER**

FOR

MESSRS. ANSELLS BREWERY LTD.



NO. 41 EAGLE STREET · HIGH HOLBORN · LONDON, W.C.1 Chancery 7422-3-4

BRANCHES :  
SOUTHAMPTON  
151, ROMSEY ROAD, SHIRLEY  
SOUTHAMPTON 73176

JOINERY WORKS :  
GRESHAM WORKS, SOUTH NORWOOD  
ADDISCOMBE 1264

BRANCHES :  
SMALL WORKS DEPT :  
COPTIC STREET, LONDON, W.C.1  
MUSEUM 3705

*Engineering Training College  
at Letchworth*

ARCHITECT: HUGH D. ROBERTS, F.R.I.B.A.

*Main Contractors*

***G. Davies & Sons (BROXBOURNE) Ltd.***

**"THE SPINNEY" ST MARGARETS-N<sup>W</sup> WARE HERTS.**  
Tel: Stanstead Abbots 173

**NEW TOWN CENTRE**

New Offices, Shops, Pedestrian Way  
for the

**BRACKNELL  
Development Corporation**

Chief Architect :  
E. A. FERRIBY, B.Arch., A.R.I.B.A., A.M.T.P.I.

*General Contractors :*

**The  
Bunting  
Construction Company Ltd.**

BUILDING, PUBLIC WORKS AND CIVIL ENGINEERING CONTRACTORS

**71-73, ACRE LANE, LONDON, S.W.2**

Telephone: BRixton 8232-3-4-5 and 9841-2-3

*Enquiries Invited*

**FRANK COOKE  
(BUILDERS)  
LTD.**

**GENERAL CONTRACTORS  
CHURCH HALL  
EYRES MONSELL ESTATE  
LEICESTER**

(Illustrated in this issue)

**THE BRIDGE  
BROUGHTON ASTLEY  
Near LEICESTER**

TELEPHONE : SUTTON ELMS 240



# FRYERNS HOUSING Basildon

AREAS 2, 4, 5, 7a



Architects : Department of Architecture & Planning, Basildon Development Corporation

## Main Contractors

# J. B. ROSE & COMPANY LTD

**BUILDING & CIVIL ENGINEERING CONTRACTORS**

Head Office  
450/452 EDGWARE ROAD  
LONDON W.2  
Paddington 7212/3

Also at  
157 SANDGATE ROAD  
FOLKESTONE, KENT  
Folkestone 2317

**St. Bride's Tavern**

New Bridge Street, London, E.C.4

*Architects & Surveyors :*  
*Messrs. Shingler & Risdon**Consulting Engineers :*  
*Messrs. R. Travers Morgan & Partners***Building and Civil Engineering Contractors:****JOHN MOWLEM****& Company Limited**

Head Office :

**91 Ebury Bridge Road, Westminster, S.W.1**

Telephone : Sloane 4500

Telegrams : Mowlem-London-Telex

**also at : EDINBURGH - CAMBRIDGE - EAST AFRICA**  
**HONG KONG - BRITISH GUIANA - JAMAICA - TRINIDAD**By Appointment  
Builders & Contractors  
to the late King  
George VI.**PENN STREET C. OF E. SCHOOL**  
**BUCKS COUNTY COUNCIL**

Main Contractors

**A. G. SIMMONS (BUILDERS) LTD.****215 Aylesbury Road**  
**WENDOVER, Bucks**

Telephone: Wendover 2283

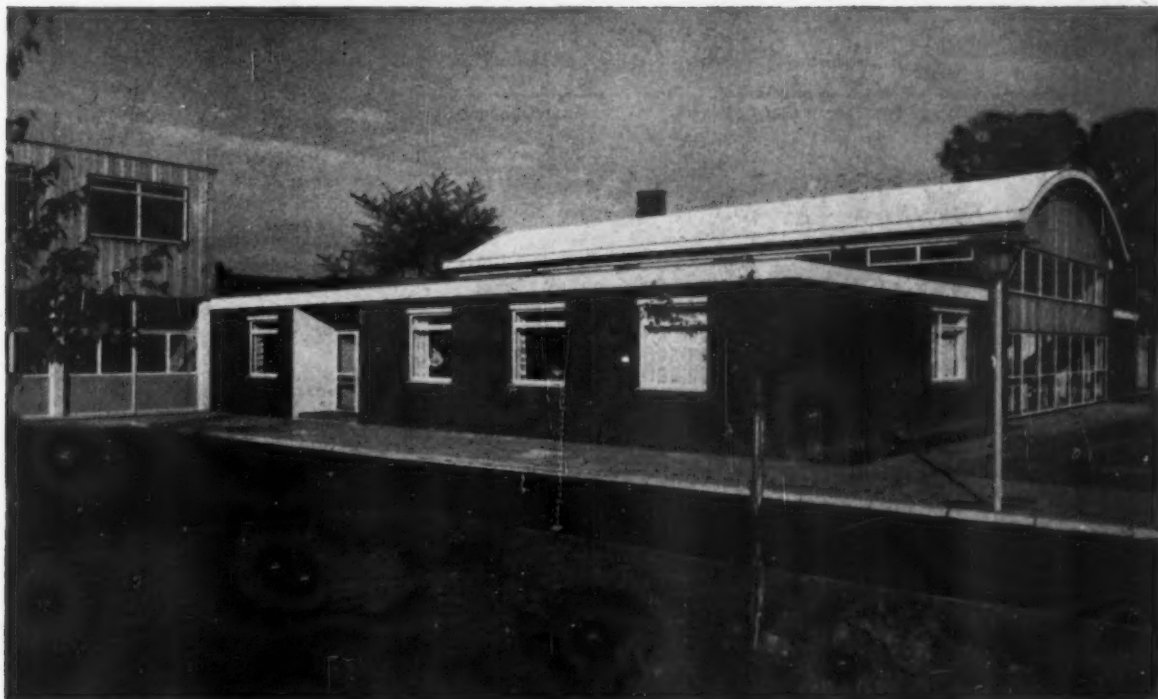
**BENNETT BROS**

CONTRACTORS

**LIMITED****Building Contractors**  
**Civil Engineering Contractors**  
**Joinery Manufacturers****SWANSEA**

FOUNDED 1878

INCORPORATED 1933



Architects: NORMAN and DAWBARN

ST. MARTIN'S SECONDARY MODERN SCHOOL — WEST DRAYTON

*Main Contractors*

**J. M. HILL & SONS, LTD**

**BUILDERS & CONTRACTORS**

HEATHER PARK DRIVE  
NORTH CIRCULAR ROAD  
WEMBLEY, MIDDLESEX

WEMBLEY 7781/4

---

# SCIENCE BLOCK KENT COLLEGE CANTERBURY

Architects:  
Edward D. Mills  
& Partners

Main  
Contractors:

**E-G-PITCHER LTD.**

*Builders & Contractors*

**ROUGH COMMON : CANTERBURY : Phone: CANTERBURY 3584**

## BIDDULPH & THRIFT LTD

FROST STREET  
ETTINGSALL  
WOLVERHAMPTON

Telephone : BILSTON 41986/7

GENERAL CONTRACTORS  
ALL SAINTS CHURCH HALL  
DARLASTON

(Illustrated in this issue)

Architects : Messrs. Lavender, Twentymen and Percy  
Wolverhampton

## THE HALL OF RESIDENCE AT MANOR HOUSE NORTHFIELD

(Illustrated in this issue)

Erected by

## J. R. DEACON LTD.

BUILDING CONTRACTORS

LOMBARD STREET  
LICHFIELD

Tel.: Lichfield 3200, 3208, 3209

Birmingham Office:

640 BRISTOL ROAD SOUTH  
BIRMINGHAM, 31

Tel.: Priory 1886, 2591





SYNAGOGUE AT WEMBLEY  
Chartered Architects: Bernard H. Dale & Partners

ESTABLISHED 1786

# Y. J. LOVELL & SON LTD

Head Office : **GERRARDS CROSS**

Phone : 2211-5

---

SEVERAL **LOVELL** CONTRACTS ARE FEATURED IN THIS ISSUE:  
OTHER CURRENT MAJOR WORKS INCLUDE—

SURGICAL BLOCKS AT GUY'S HOSPITAL, LONDON, S.E.  
HOUSING & FACTORIES FOR BRACKNELL D.C.  
REBUILDING OF METROPOLITAN TABERNACLE, LONDON, S.E.  
SCHOOLS FOR HERTS, KENT AND W. SUSSEX C.C.  
PITHEAD BATHS FOR NATIONAL COAL BOARD  
ST. CUTHBERTS C.E. CHURCH, WEMBLEY.  
DISTRICT PREMISES AT BRIGHTON FOR BARCLAYS BANK LTD.  
OFFICE DEVELOPMENT SCHEMES IN THE CITY OF LONDON

---

London Office: 4 ENDSLEIGH GARDENS, W.C.1.  
Telephone: EUSton 6223/7.

## BUCKS

MARLOW - HIGH WYCOMBE  
BEACONSFIELD

## SUSSEX

HORSHAM - EAST GRINSTEAD  
EASTBOURNE - BURY

**ARCHITECTURAL  
METALWORK**

**HOTCHKISS  
ENGINEERS LIMITED**  
EASTBOURNE • Tel. 2424.7 lines

**STRUCTURAL  
STEELWORK**

**HOTCHKISS  
ENGINEERS LIMITED**  
EASTBOURNE • Tel. 2424.7 lines

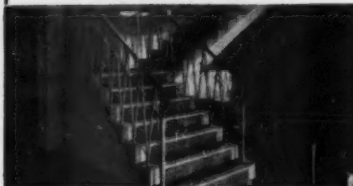
★ ★ ★ ★

★ ★ ★ ★

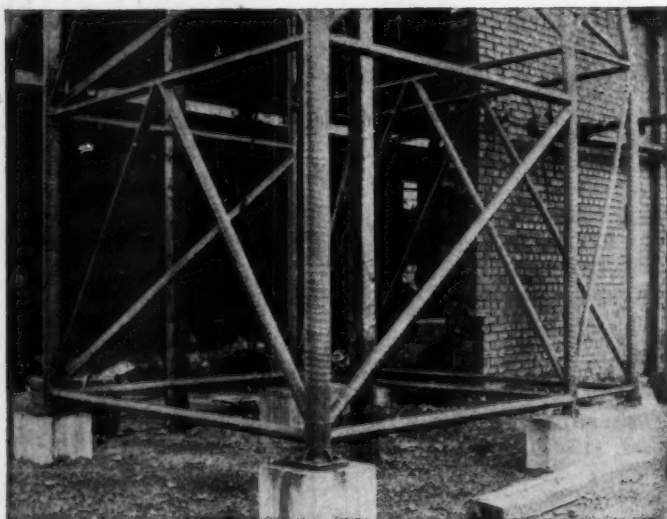
**LATTICE GIRDERS**

GATWICK  
AIRPORT

**HOTCHKISS  
ENGINEERS LIMITED**  
EASTBOURNE • Tel. 2424.7 lines

**BALUSTRADES**

**HOTCHKISS  
ENGINEERS LIMITED**  
EASTBOURNE • Tel. 2424.7 lines

**DENSO***for tubular  
structures***SIMPLE AS WRAPPING  
A PIPE**

Where severe corrosive conditions are such that **nothing but DENSO will do**, the modern tubular structure is often employed for the very reason that the method of applying Denso Tape to the steelwork is literally as simple as wrapping a pipe . . . and equally effective and economical

**WINN & COALES LTD**

Denso House, Chapel Road, West Norwood, London, S.E.27.

'Phone :  
GIPsy Hill 4247

'Grams :  
Denselte, London, S.E.27

Northern Area Headquarters : Denso House, Glebelands Road, Sale, Cheshire. Telephone: Sale 8271



The "Architect and Building News" incorporates the "Architect," founded in 1869, and the "Building News," founded in 1854. Annual subscription: home, £2 18s. 6d.; overseas, £3 8s. 6d.; Canada and U.S.A., \$10.00. Registered as a Newspaper. Published by ILLIFFE & SONS LTD., DORSET HOUSE, STAMFORD STREET, LONDON, S.E.1. Telephone: Waterloo 3333 (60 lines). Telegrams: "Architonis, Sedist, London". Branch Offices: Coventry: 8-10 Corporation Street; telephone, Coventry 25210. Birmingham: King Edward House, New Street, 2; telephone, Midland 7191. Manchester: 240 Deansgate, 3; telephone, Blackfriars 4412 and Deansgate 3595. Glasgow: 26B Renfield Street, C.2; telephone, Central 1265.

© Illiffe & Sons Ltd. 1958. Permission in writing from the Editor must be obtained before letterpress or illustrations are reproduced from this journal. Brief abstracts or comments are allowed provided acknowledgment to the journal is given.

## COLLABORATION

THE two papers, "The Architect and the Engineer" and "The Engineer and the Architect", discussed at a joint meeting of the Royal Institute of British Architects and the Institution of Civil Engineers last week, are to be published eventually with the written and oral discussions. The documents should provide a useful source of enlightenment on the business and problems of architect-engineer collaboration, and indirectly help to dispel the evil mist of underlying jealousy which sometimes mars relationships between the two professions in the administrative sphere.

Both authors\*, steering steadily along the technical paths of the two professions, agreed that design by committee was not practicable, that a master brain was necessary, sometimes architect, sometimes engineer. It did not matter which in borderline cases, provided the leader appreciated his own shortcomings. But, as Mr. Arup emphasized, the principle of undisputed leadership (by one or the other) should be adhered to.

There emerged, from these two papers, the impression of two distinct personalities, in fact, the original ones: the architect who thinks and is trained in the functional requirements of spatial relationships and aesthetic appearance; the engineer who is concerned with the predominantly structural problems and their economical solution, where the functional requirements are easily stated, as

with a bridge or dam. The fact that a bridge might be as aesthetically satisfying—or even more so—than a fine building was a tribute to the great qualities of its engineer designer; but that did not make him an architect; the same designer might be lost if he tried to solve a complicated spatial problem.

In the general run of larger building conceptions today, the links between structure, aesthetic design and the solution of the planning problem are more complicated than ever before. The architect often needs his technical advice on structure before he begins to work out his solution of the problem, and this, as Mr. Arup said, is one of the principle hazards in architect-engineer collaboration.

Should architects-to-be have more engineering training or should more architectural training be included in that of engineers? Mr. Arup, no doubt speaking from his own wide experience of architects, claimed much for the mutual understanding gained by firms or individuals who have worked together often. He suggested a foundation for such collaboration might be laid at school. Education would seem to be the answer. As in many other instances a more sympathetic understanding of the problems facing each member of the building team would be gained by all of them absorbing in the early stages of training the general principles which guide the work of each.

\* Respectively: E. D. Jefferiss Mathews, O.B.E., F.R.I.B.A., and Ove Arup, C.B.E., M.Sc., M.I.C.E.



## EVENTS AND COMMENTS

### THE M.O.W. WITH THE L.M.B.A.

The traditional pattern of the annual luncheon at which the London Master Builders' Association entertains either the M.o.H.L.G. or the M.o.W. was varied this year. The function has, in the past, been followed by the association's annual general meeting at which its new president and other officers are elected. This year the a.g.m. was held before the luncheon and the elections were carried out after it. This ensured a somewhat better attendance at both. In the past, members have tended to disappear with the Minister, giving a poor attendance for the president-making. I had pleasant conversations with my neighbours on a matter of some importance and perplexity to the three of us—the problem of teenage daughters. On one side I heard of the prefect who, without permission, had taken two white mice back to school and hidden them under her bed. The headmistress expected the parent to travel a hundred miles to fetch them, refused to have them put down, and sent them home by train. On the other side, there was the story of the girl who, overcome by temptation at the sales, went back to school in distinctly non-regulation underwear, a terrible crime apparently, and one which was in no way mitigated by the fact that the regulation pattern had been left at home.

Mr. Stanley Farrow, whose cheerfulness alone throughout a difficult year would have made him a good president, added to his laurels in a first-rate speech of welcome to Mr. Molson. He spoke of the rigours of the credit squeeze and mentioned that there was some dissatisfaction over fixed-price contracts. He wanted more time to prepare jobs, and, while praising the Ministry of Works for its attitude to this request, he pointed out that other employing bodies were not so helpful. Mr. Farrow's strongest plea was for a shortening of tender lists—sometimes 25 or 30 firms were asked to tender. This, he said, was expensive and wasteful and the country could not afford it.

In reply, Mr. Molson justified the credit squeeze and described the country's state before and after that unpleasant constriction. He spoke of currently low contract prices, saying that he did not want these to be so low that they prevented the industry from being prosperous or hampered in its development. Reviewing building activity in London, Mr. Molson said that at the moment of speaking there was unstarted office building work amounting to £25 million in the hands of builders. On the question of planning in advance, he would speak to the M.o.H.L.G.; an answer about long-tender lists would be given in three to four weeks. On the subject of fixed-price contracts, he realized that it was harsh to expect firm prices to be quoted when fixed prices for materials could not be obtained. Things were, however, better than they were and materials prices were more or less stable. They had turned out better than he had feared and as good as he had expected.

Mr. Molson went on to speak of technical information services and the need for them to be organized on a national scale. The L.M.B.A. had its own special arrangement with the M.o.W. and, although at one time the Ministry had considered doing away with it, it had been decided to continue it. On the national scale he felt that architects, surveyors and builders should all take a share in the finance and control of a nation-wide service. He urged his listeners to visit the Building Centre, saying

that if they went there, and if, after seeing the great display of materials and equipment, they could say that they had learned nothing new, he would be very surprised. The Ministry would continue its present information service for a year or two.

After the Minister had left, Mr. Ken Pearce, T.D., was elected and installed as president for 1959. He and Mr. Farrow had many wise things to say about each other. Mr. Pearce had a distinguished career in the T.A. He has been, since its inception, a great worker for the L.M.B.A. apprenticeship scheme and an enthusiast on everything to do with building education. Mr. Farrow's lasting memorials as president were, said Mr. Pearce, his work for accident prevention and the work study film on building shortly to be released. Mr. Farrow's vital statistics, 32-36-38, though showing him to be somewhat pear-shaped, are impressive. During his term of office he attended 32 official luncheons, 36 dinners and made 38 speeches, while his weight remained the same.

### NEW WALLPAPER SHOWROOMS

The London office of the Wall Paper Manufacturers Ltd. has moved from High Holborn to 19-21 Mortimer Street, and is thus now in the wallpaper area, near Cole's, Line's and Sanderson's. The building has been remodelled inside by the Nicholson Brothers. The architects' department was opened by James Laver last week. Someone, said Mr. Laver, once said about him that he had had a brilliant military career, attaining the rank of second lieutenant, and had been in a museum ever since. The architects' department carries on the idea started in High Holborn. Architects, designers and their clients can see there those of the company's products which are of special interest to them. Two new collections by well-known designers, including Humphrey Spender and Edward Bawden, have been produced in addition to the well-known "Architects' Book of 100 Wallpapers". Some of these new designs are very large in scale and are screen printed with four-foot-six repeats. They are mainly geometrical in pattern and very lively indeed.

The Nicholsons have made a very good job of the showroom. The modular and movable screens are a development of those at the Design Centre and are arranged to accommodate all the necessary services in their frames. They are shortly to be made available commercially. The showrooms have a lush carpet in broad stripes of "mustard, chartreuse and green". My only complaint is my usual one. In a place where so much is bound to be going on—a mass of exciting wallpaper samples—the eye longs for a plain surface to rest on. There is none. The ceiling, which might have provided this respite, is in itself very interesting and decorative, consisting of a series of polished hardwood frames, criss-crossed to hold up movable panels of painted hardboard.

### ANCIENT BUILDINGS PROTECTION

The Society for the Protection of Ancient Buildings has just published its report for the years 1952-1957. It is a beautifully printed volume, but for some reason which I cannot quite fathom it makes one rather cross. There is, it seems to me, a faintly "holier than thou" attitude in almost all of it. No one in their senses would deny that the S.P.A.B. does wonderful work on a pitifully small income. It fights long and often, losing battles for the buildings and other constructions which it befriends. Many of the case histories mentioned in the report are dramatic and make interesting reading.



Faced as the society so often is with ignorance, callousness and wanton destruction, it is perhaps hardly surprising that the tone of much of the writing is as from superior souls to the lower orders. That the repair and maintenance of old buildings is a specialized art no one will deny, but the report makes it appear as a form of magic that can only be practised by the special few. For example, the following advice is given on mortar for repointing:

"A good setting mix is best attained by using a coarse gritty sand rather than one with smooth rounded particles.

"Mortar must be used up within two hours of the addition of the cement.

"Cement and lime mortar will not adhere to Roman cement.

"Feather edging must be avoided and joints must be raked back deeply."

The only suitable comment to this is: My! My! you don't say!

### LOOKING BACK ON THE BOAT SHOW

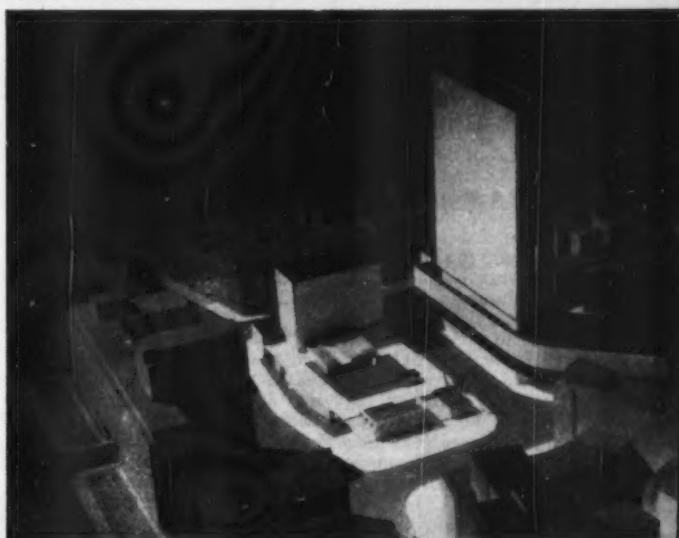
The *Daily Express* National Boat Show at Olympia (to be moved to Earls Court next year) fell neatly into four parts. At one end of the financial scale there were the huge motor gin-palaces, more and more American in appearance, with every modern convenience and a quite prodigious amount of windage. At the other end were the car-top dinghies and canoes for those who like a little boating with their picnics. In between were the rich sailing cruisers—how anyone who is not in the business can afford to run them puzzles me—and the ever-increasing number of cars without wheels, propelled by inboard or outboard motors.

Traditional boat design has developed peacefully in its natural materials. It is rare to find an ugly traditional boat, but the experimenters and marine motorists have no difficulty at all in being hideous. The worst of American car-design could be seen in some of the fast, moulded-hull runabouts. I saw several with fins and one with winking direction indicators. I really do not know which part of the boating world I dislike more, the flash fast-mover or the yachtsman snob. I find myself in the latter category: old boat, old clothes, shun the clubs, shun the pubs, and cock a snook at all the pious rigmarole of the reefed white-tops. I have omitted the great navy of dinghy tracers and their many different rigs, enthusiasts to a man and snobs, too, in their own way. Ah, well!

### A NEW BUILDING CENTRE SERVICE

The first of a series of Building Centre Illustrated Recorded Talks was shown to the press on Monday. The subject was the design and building of Coventry Cathedral, and the main speaker Basil Spence. Introducing this new venture, Eric Bird said that this talk was made under conditions which were far from ideal. The record had been taken from an edited tape of a lecture given some time ago at the Northern Polytechnic. Future talks should be technically better. Personally, I had little fault to find with this one. The Spence enthusiasm and sincerity came over well, and the reproduction of his drawings ranged from good to very good. Some of the photographs, however, might have been better. The idea is ingenious, yet simple. The record plays and gives a sound signal to the operator of a film strip projector. It is rather important that the operator does not miss the pips.

The Building Centre plans a series of technical talks of this kind, using top-ranking authorities as speakers.



Plans for the redevelopment of Knightsbridge at the junction of Sloane Street and Brompton Road were approved, as a basis for further discussion, by the London County Council on Tuesday, January 20. Guy Morgan and Partners are the architects for the scheme, the model of which is pictured above. The developers are the Capital and Counties Property Company, Limited

The next on the list is Edward Mills and William Allen, on "Curtain Walling". This will be ready soon. These talks will be available, free of charge, to allied societies of the R.I.B.A., surveyors', builders' organizations and architectural and building schools. It seems to me to be a first-class idea, for even if an impersonal record is not much of a substitute for flesh and blood, it will mean that the voices of the top men will be heard in all parts. Each talk lasts 40 minutes and should serve as an admirable introduction to discussion. Applications for, and inquiries about, the talks should be made to the Director, The Building Centre, Store Street, W.C.1. Room for more at the top.

ABNER



The City of Bradford's development plan from south, looking across the re-sited Forster Square and down Cheapside. The Boulevard runs across the picture

## NEWS

### Town Roads Exhibition

The exhibition, "Town Roads for Today—and Tomorrow", will be opened in the Great Hall of the Institution of Civil Engineers tonight. It is the largest international exhibition of urban road schemes which has been staged and it aims to show that urban traffic congestion can be defeated without destroying city features. Showing times: 10 a.m. to 6 p.m. daily (including Saturday) until February 7.

### L.M.B.A. Annual Report 1958

The past year had been generally successful for the London Master Builders' Association, it was reported by the association's council at the annual general meeting on Tuesday, January 20. In spite of uncertain and sometimes threatening political, economic and industrial conditions, the official figures showed that the total volume of work had not been seriously reduced, but the number of inquiries had fallen and competition had continued to be extremely keen.

The subscription rate was to remain at 4s for each £100 wages paid—1s 7d to the National Federation and 2s 5d for general expenses of the association. The total of wage rolls for 1958 was £64,528,307; the membership figures at December 31 were: ordinary 1,132, associates, 132, honorary 3; information subscribers, 186.

The council commented that the practice of firm-price tendering had increased during the year. Members generally seemed to have accepted it as satisfactory in operation, but this only applied when government departments, other authorities and building owners generally provided the fullest documentation and details at the tender stage, in accordance with requirements publicized by the National Federation and the association. There was still considerable difficulty in persuading some authorities that this was the only efficient and economical way of contract building.

The increasing size of tender lists had caused much concern, and the association had made representations to specific authorities and had conducted an inquiry into the cost of preparing tenders. The results of the inquiry (among a cross-section of member firms) showed that the approximate cost of the preparation of tenders was about 1.5 per cent of the value of all work executed as a result of successful tenders.

### Secondary School Building Programme

A five-year continuous school building programme (1960-65), to cost £300 million for major building jobs in England and Wales, is the most conspicuous feature of a White Paper by the Minister of Education, Mr. Geoffrey Lloyd. The White Paper ("Secondary Education for All. A New Drive." Cmd. 604, 9d net) was presented to Parliament on December 3; the Commons debate began last Thursday. Together with a White Paper presented by the

Secretary of State for Scotland, Mr. John MacLay, for developments in Scotland, well over £400 million worth of work to improve Britain's schools is envisaged.

The plans for buildings are based on realistic calculations of what is practicable. The value of major projects, new schools and big improvements, to be started in 1960-61, will amount to £55 million, and in 1961-62, to about £60 million. The Government's decision to run the £300 million programme continuously for five years will enable local authorities and the churches to make their plans well in advance, and a circular has already been distributed telling them how to prepare and submit proposals for the first two years.

Secondary school buildings which are inadequate, overcrowded or out of date, will have to be replaced or reconstructed. Authorities will be asked to start with jobs which will most quickly improve the secondary schools' position in their areas, particularly in the scientific and technical sides of a proper secondary education.

In advance of the major building programme there will be an immediate increase in the value of "minor projects", which can be quickly planned, and the limit of cost for such projects will be raised from £10,000 to £20,000. This provides for modernization and making old primary schools as new. The Minister said in the Commons on Thursday, that "minor works" was a misnomer: the programme was of major importance, and at £17 million this programme figure would be 40 per cent more than that for the previous year, and, in fact, the highest ever. A £15 million building programme is already in hand to provide 12,000 additional places in the teachers' training colleges by 1962.

### Birmingham wants Senior Architect

Birmingham has a vacancy for a senior architect to take control of the housing design section in the city architect's department. Mr. H. E. Buteux, who until recently held the position, has been appointed chief technical officer to the Scottish Special Housing Association. Full details appear in the advertisement columns this week.

### Bradford's Urban Renewal

A £5 million, five-year development plan for the centre of the city of Bradford was announced last week by the joint collaborators in the scheme, the city of Bradford and the Hammerson Group of Companies, private developers. The architects are Clyde Young and Bernard Engle.

Bradford, unlike other cities and towns, did not have its centre devastated by bombing during the war, and, therefore, had to rely upon the enterprise of this private company for redevelopment. The city authorities and the developers have every reason for satisfaction. C. & A. Modes (80,000 sq ft), Boots the Chemist (30,000 sq ft) and W. H. Smith & Sons have already reserved large areas of the new development, and other multiple stores and local firms have shown interest.

When questioned "where is the money coming from?"

Mr. Sydney Mason, chairman of the Hammerson Group, replied that by building in phases the company hoped to meet these commitments from its own resources. He remarked: "We are in a position to offer a similar service to other towns with faith in their future". More pictures and plans will be published in a future issue.

### Hampstead Civic Centre

Details of the proposed Civic Centre for Hampstead Borough Council, designed by Basil Spence and Partners, were announced last week. Mr. Spence gave his comments on the general principles of the scheme at a press conference.

The site at Swiss Cottage, adjacent to the underground tube station, is regarded as being in a key position, a gateway to the City of London.

The estimated cost of the proposals is £2,000,000 and the accommodation consists of the civic suite and administration block (£600,000), two multi-purpose assembly halls (£400,000), swimming baths (£600,000), gymnasium and public library (£300,000). Car parking and exterior works will cost approximately £100,000.

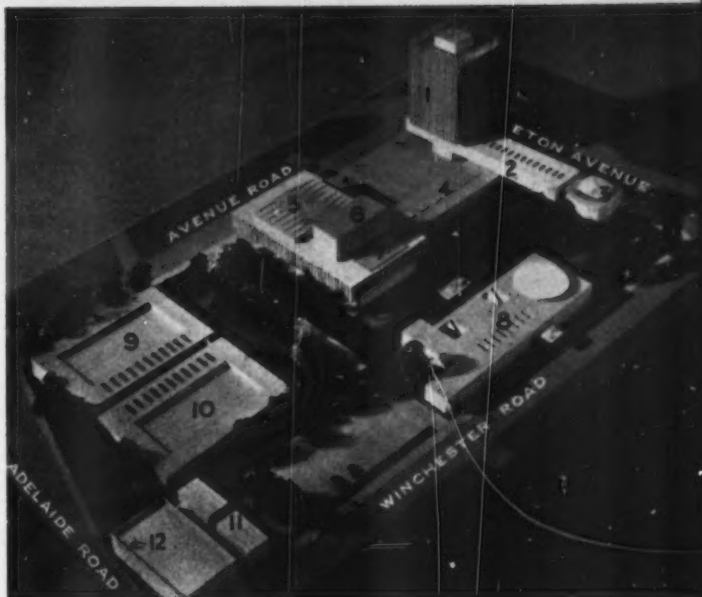
Mr. Spence mentioned two sources which influenced his design concept: first, the Scandinavian example of democratic approach in which the town hall is a welcome place and pleasant to walk through, does not present a "solidly forbidding front". Secondly, the remark Frank Lloyd Wright made on the Toronto competition, that "the starch should be taken out of Town Halls". In the design of the buildings, therefore, Mr. Spence has kept them fairly low and grouped around internal gardens. Vertical stress is gained solely by the tower block which contains administrative offices.

Low-level car parking is envisaged, underneath a square adjacent to the tower block. A district heating scheme will be incorporated, placed conveniently for supervision by the swimming bath engineer. Ove Arup, C.B.E., was appointed structural engineer, and Reynolds & Young were appointed quantity surveyors, to collaborate from the first stages of design. It is hoped that construction may commence early in 1960.

### Prestressed Concrete Group

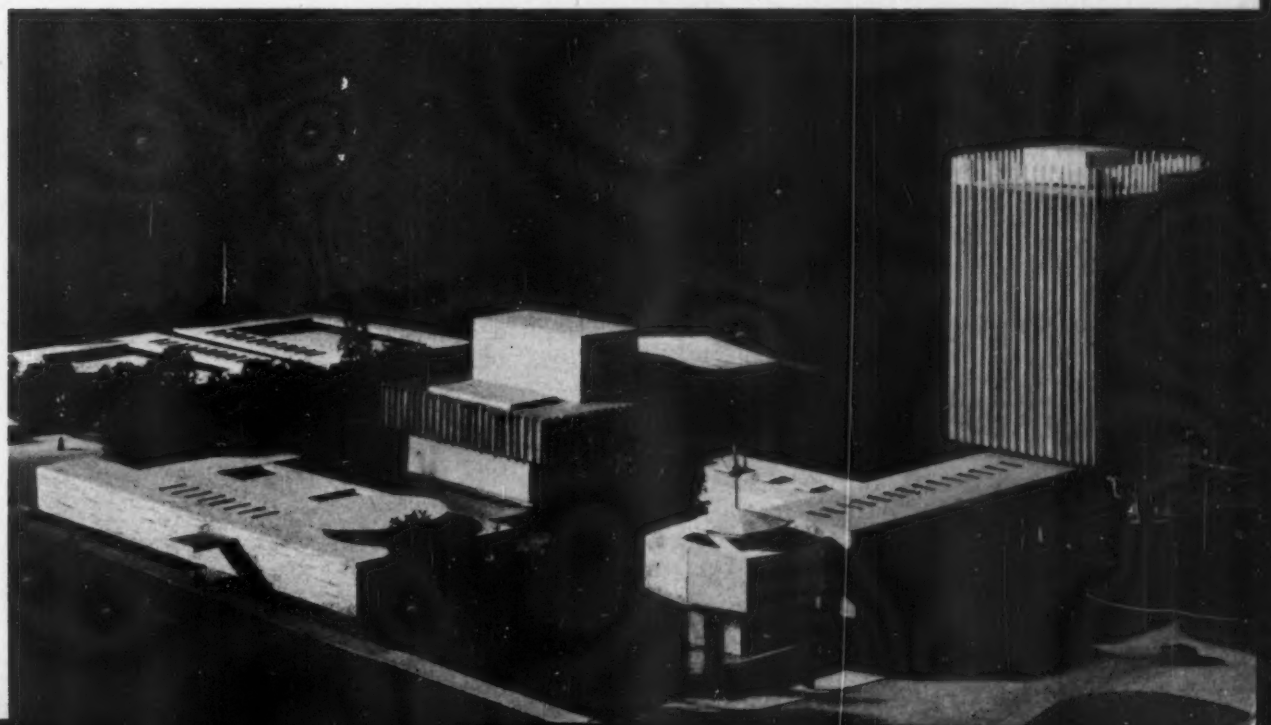
The tenth annual general meeting of the Prestressed Concrete Development Group was held on January 15 at the Institution of Structural Engineers, when members and guests were given a talk on "The development of prestressed concrete in the United States", by Professor

*[continued overleaf]*



Key to picture of model of Hampstead town hall scheme (above): 1, office block with canteen on top floor; 2, committee rooms and town clerk; 3, Council Chamber; 4, treasurer and registrar; 5, large hall; 6, stage tower; 7, small hall; 8, library; 9 and 10, swimming baths with learners' swimming bath between; 11, squash courts; 12, gymnasium. The lower picture shows the site

Below, a view of the model from the north. The library is a single-storey building with basement stacks and few windows. The mast on the model is a pin





## NEWS CONTINUED

T. Y. Lin, Professor of Civil Engineering at the University of California, and a vice-president of the Fédération Internationale de la Précontrainte.

The results of elections to the council of the group were announced at the meeting, and the council for 1959 will be as follows: W. B. Sykes, president; C. W. Hamilton, vice-president; G. W. Kirkland, immediate past-president; F. M. Bowen, A. Goldstein, A. J. Harris, engineers; A. G. Jury, E. G. Dean, A. Kirkwood Dodds, architects; E. W. H. Gifford, R. F. T. Kingsbury, J. N. Lowe, specialist engineers; J. W. A. Ager, J. M. Fisher, R. B. Hill, contractors; J. Barratt, K. R. Danhof, A. G. W. Martin, products manufacturers; C. F. Brereton, K. G. Hann, A. E. Osborne, manufacturers of prestressing and reinforcing steel; A. W. Hill, chief technical officer; P. Gooding, secretary.

### Liverpool Men to Dine in Town

The Liverpool School of Architecture Society will hold its first annual dinner since the war at the Hall of the Tallow Chandlers Company, 4 Dowgate Hill, Cannon Street, London, E.C.4, on Friday, February 6, at 7 for 7.30 p.m. Members and guests will be received by the president, Professor Robert Gardner-Medwin, and Mrs. Gardner-Medwin. Old students are invited to join the society and attend the dinner. One guest each is permitted. Tickets are obtainable from the hon. secretary, Robert Shaw, 11 Billing Place, West Brompton, London, S.W.10. (Annual subscription, 10s; tickets, 2gn, including wines; dress, dinner jacket.)

### Annual Holidays Agreement

The annual holidays agreement, operated by the Holidays Management Company, has been amended. Clause 5 (d) now reads: "In cases where circumstances have prevented individual operatives from having the week or weeks of annual holiday within the summer period as defined, the holiday shall be granted before March 31 in the next succeeding year by mutual agreement between the employer and the operatives concerned." This clause only allowed for one week of holiday outside the summer period in its previous wording, whereas many workers wished to have both weeks in the winter. (The award of the Industrial Disputes Tribunal in 1957 prescribed that the two weeks of holiday must be granted in the summer.)

Also, instead of the second paragraph of Clause 8 (which prescribed March 31 as the last day for workers' direct applications to the Holiday Management Company), a paragraph is now added at the end of Clause 7, namely: "No claim by any operative for payment of holiday credits in respect of any holiday period shall be entertained after three months grace following March 31 in that period." These amendments were reported to the National Joint Council for the Building Industry on January 14.

## In Parliament

### Minister to Examine Building By-Laws

Members might have detected an echo of Mr. Nabarro's intervention in the committee stage of the Building (Scotland) Bill in a question addressed by Sir Alfred Bosson to the Minister of Housing and Local Government, Mr. Brooke. During the last Parliamentary session Mr. Nabarro was characteristically scornful of the discovery that under the new Scottish Bill Scotland was to have a single set of building by-laws, whilst England and Wales were to remain relatively unregulated. Sir Alfred asked the minister whether he would consider replacing the present

system of 1,400 sets of locally made by-laws in England and Wales by a centrally made set of regulations.

Mr. Brooke was not entirely adamant in his answer, which seemed to indicate that he has taken the point. He said that this could not be done without legislation to amend the Public Health Acts, but agreed that it was right to consider whether or not such a change was desirable. He said that he would invite representatives of local authority associations, the London County Council, professional bodies and the building industry to consult with the Ministry in order to inform himself before making a decision. (January 21.)

### Downing Street Plans Still Being Considered

Mr. Raymond Erith's plans for the reconstruction of Nos. 10, 11 and 12 Downing Street are still being considered by the Minister of Works. This was the import of a taciturn reply about them from Mr. Molson. Asked if he could give any date for a future statement, he answered, with equal concision, that he was not a prophet. (January 20.)

### Modification of Serjeant-at-Arms' Residence

Mr. Molson, in a written answer, announced that the Government is to spend about £32,500 in modifying the Serjeant-at-Arms' residence in the Palace of Westminster. The money will be spent on adapting it to provide residences for the Serjeant-at-Arms and his deputy, and bedroom accommodation for about 20 or 30 members of the House of Commons staff. The work is to begin in March. (January 20.)

## Coming Events

### Royal Institute of British Architects

January 28 at 2.45 p.m. B.B.C. Television. "The House the Howells Built."

February 3 at 6 p.m. President's address to students. Criticism by Edward D. Mills and presentation of prizes. At 66 Portland Place, W.1.

### Cement and Concrete Association

January 29 at 6 p.m. "Recent Developments in the Design of Shell Roofs", by J. D. Bennett, B.Eng. At the New School of Engineering, University of Bristol, Bristol.

### The Illuminating Engineering Society

January 30 at 6 p.m. "Display Lighting for Shop Windows and Fashion Parades", by H. H. Ballin. At the Bennett Hall, Y.M.C.A., Birmingham.

### Local Government Architects' Society

January 31 at 2.30 p.m. General meeting. At 66 Portland Place, W.1.

### The Royal Institution of Chartered Surveyors

February 2 at 5.45 p.m. "A Chartered Surveyor in Parliament", by Sir Colin Thornton-Kemsley, O.B.E., T.D., M.A., F.R.I.C.S., M.P. At 12 Great George Street, S.W.1.

### Town and Country Planning Association

February 3 at 6 p.m. "Current Trends and Problems in American Town Planning", by Professor John Reys, Planning Department, Cornell University, U.S.A. At 28 King Street, Covent Garden, W.C.2.

### Istituto Italiano di Cultura

February 4 at 6.30 p.m. "Problems of Italian Post-war Architecture", by Professor Bruno Zevi, Professor of Architecture at the University of Venice and Editor of *L'Architettura*. At 39 Belgrave Square, S.W.1.

### Town Planning Institute

February 4 at 6 p.m. "The Tall Building in the Town", by Professor Sir William Holford, M.A., B.Arch., F.R.I.B.A., F.I.L.A.(P.F.). At the Livingstone Hall, Broadway, S.W.1.





Above, the new Royal Observatory. Architect: Brian O'Rorke. Below, an experimental structure erected for the Modular Society on the Albert Embankment

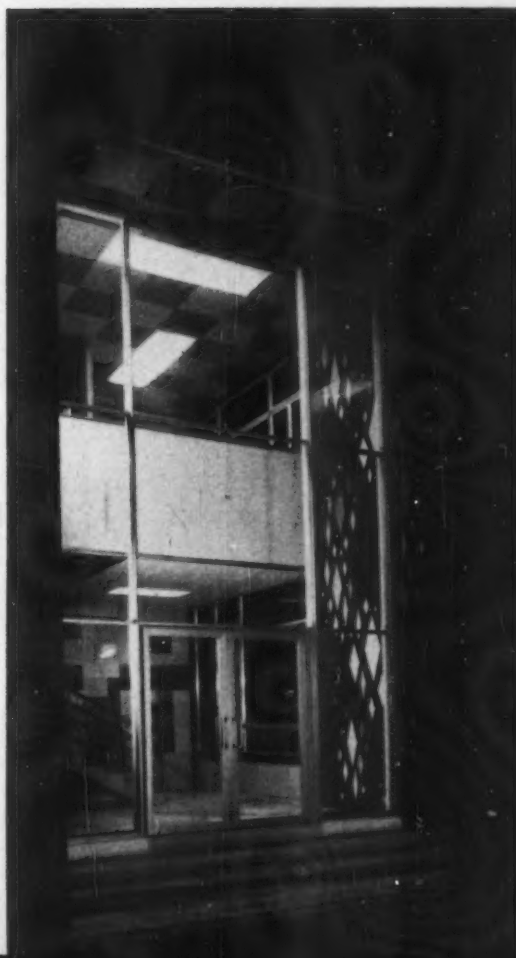
## REVIEW OF THE YEAR—1958

The year 1958 will be remembered for the many moons which, bleeping hopefully, circled the earth to celebrate the Geophysical Year. Man looked up, while eyeing his neighbour distrustfully, and wondered how far his domain could be extended into space.

Here in Great Britain, like small boys sitting on the fence to see the rockets being let off next door, we had to be satisfied with wondrous watching. The Jodrell Bank radio telescope did this service admirably.

What then of Architecture? By sharpened comparison, the buildings around us seem to be the same old caves. In this New Year Issue we try, by virtue of large numbers, to give a Gallup Poll impression of progress or retrogression in the buildings going up on all sides. The reader is left to form his own opinion.

The new Royal Observatory at Herstmonceux (top) must approach most closely to the spirit of the year as its telescopes look up to the breathtaking order in the heavens; while the assembly by the Modular Society (below) "to test the use of the four inch module for determining the sizes of building components" brings us back to earth . . . and how do we find order in Architecture?





## CHURCHES

1. Methodist Church, Carlton, Nottinghamshire. Exterior cross is of aluminium, designed by Robert Adams. Architects: John Dudding & Partners. General contractors: Stokes Taylor & Shaw Ltd. Contract price: £16,000.

♦ ♦ ♦

2. Church at Maryhill, Glasgow. An equilateral triangle representing the Holy Trinity is the design theme. A marble mosaic panel of the Madonna and Child is incorporated in the brickwork over the main entrance. Architect: Thomas S. Cordiner. General contractors: Angus MacDougall & Co. Ltd.

♦ ♦ ♦

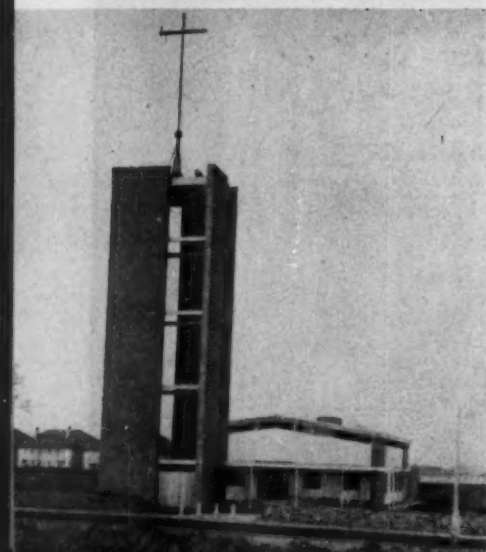
3. St. Hugh's Church, Leicester. The project comprises a vicarage and dual-purpose hall with tower and cloister. Architects: Basil Spence & Partners. General contractors: Frank Cooke (Builders) Ltd.

♦ ♦ ♦

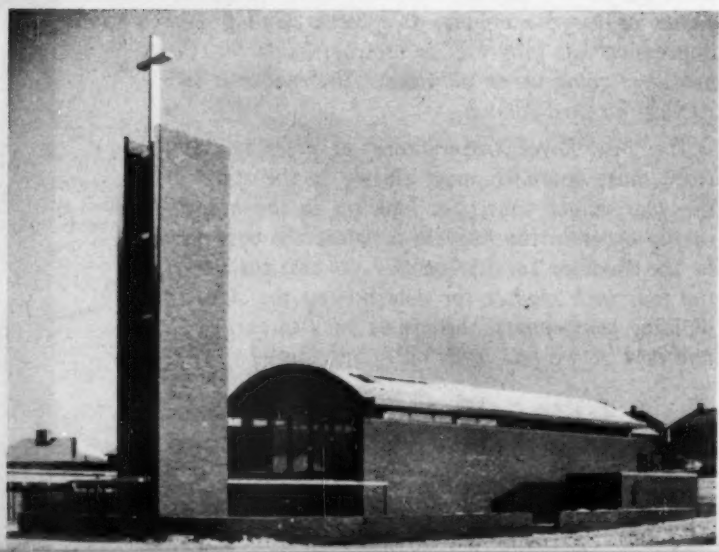
4. St. Paul's Church, Sheffield. The free-standing bell tower is connected to the church by a covered way which forms an entrance court. Architects: Basil Spence & Partners. General contractor: C. R. Price. Contract price: £23,687.

2

4



3



5. The Mersey Mission to Seamen. Windows to the chapel on the first floor are double glazed acid etched; stained glass windows have been used inside. Architects: Willink & Dod. General contractors: Henry Boot & Sons Ltd. Approximate contract price: £100,000.

6. Roman Catholic Church of St. Catherine, Gracemount, Edinburgh. This building is an adaptation of a stock timber "all-purpose" hall of Kingston's and features glued laminated timber arches, 30ft span, 9ft to eaves, 23 ft to apex. Arches are of Columbian pine and pews are of parana pine. The exterior cladding is vertically-laid red meranti. Architect: Charles Gray. General contractors: Kingston (Architectural Craftsmen) Ltd. Contract price: £10,200.

7. St. Edmund's R.C. Church, Loughton. Entrance doors and those between narthex to nave are glazed in single panels giving a clear view of the interior from outside the church. Architects: Tooley & Foster. General contractors: W. & C. French Ltd. Contract price: £24,000.

8. Central Synagogue, Great Portland Street, London. The interior is mainly plaster, the ceiling being coffered in gold, yellow and blue, and the walls decorated white. The pulpit is of rose-coloured marble on a foundation of black marble. It is dominated by three specially designed chandeliers of spun copper with silver bronze finish. Architects: C. Edmund Wilford & Son. General contractors: Tersons Ltd.

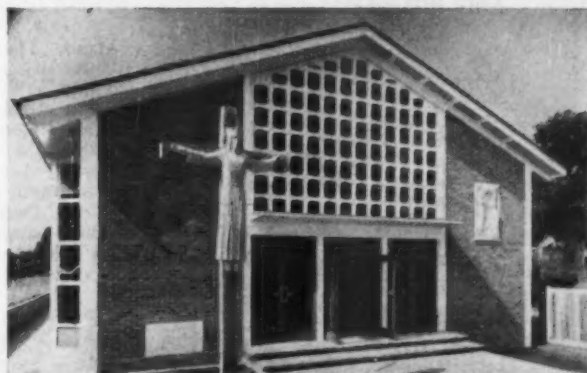
9. Finnish Seamen's Mission, Bermondsey, London. This building provides a meeting place and church for seamen and Finnish nationals. It was fully illustrated in A. & B.N., July 30, 1958. Architects: Yorke, Rosenberg & Mardall. General contractors: Rice & Sons Ltd.



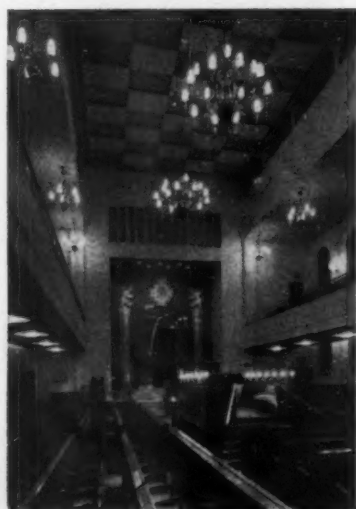
5



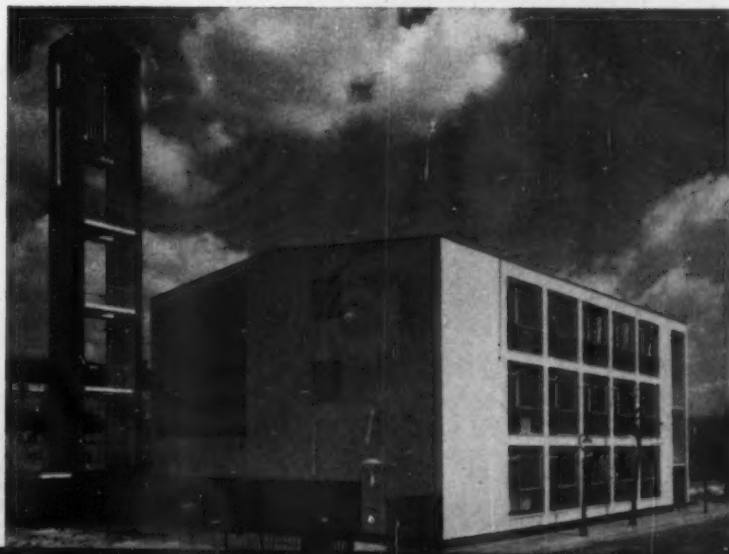
6



7



8



9





1, 2

## HOMES AND HOSTELS

1. The students' hostel for Loughborough College of Technology is in timber Derwent construction. The whole scheme was completed in five months. Designers: Architects' Department, Vic Hallam (Contractors) Ltd. General contractors: Vic Hallam (Contractors) Ltd.

♦ ♦ ♦

2. The first phase of the A.B.S. Homes at Frenchlands Hatch, Surrey, which was the subject of a competition, has been completed. The scheme was illustrated in A. & B.N., July 9, 1958. Architect: Clifford Culpin, General contractors: Carlton

4

Contractors Ltd. Contract price: £20,493.

♦ ♦ ♦

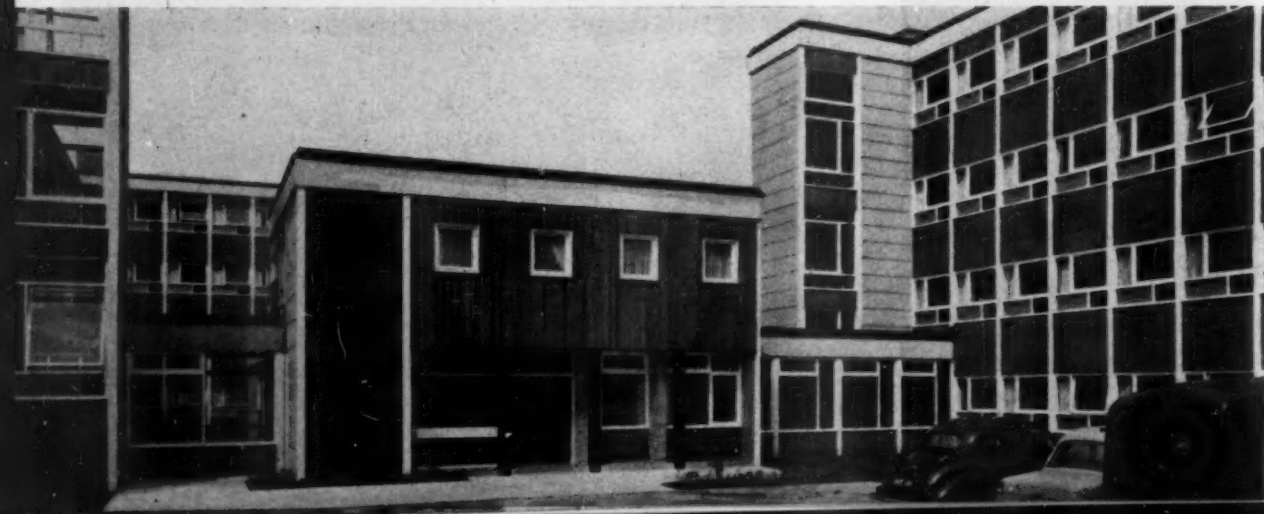
3 and 7. New additions to the Manor House Hall of Residence, University of Birmingham, provide a dining hall, common rooms, library, wardens' room and some study bedrooms. Architects: Holland W. Hobbiss & Partners. General contractors for alterations to existing house and additions to first wing: J. R. Deacon Ltd. Addition of second wing: W. T. Pickering (Builders and Contractors) Ltd. Total cost: £156,000.

♦ ♦ ♦

4. The Manor Guildhouse at Coventry provides accommodation for 405 old people. The four-storey living blocks are designed to house 25 resi-



3







5, 6



dents on each floor. City architect and planning officer: A. G. Ling. General contractors: Gilbert-Ash Ltd. Contract price: £250,000.

♦ ♦ ♦

5. Accommodation for 60 students is provided in the new hostel for the Essex Institute of Agriculture, Writtle. The recreation/dining block has a span of 90ft by 30ft, giving a clear ceiling finish internally. Essex county architect: H. Conolly. General contractors: Arthur J. Arnold Ltd. Contract price: £89,000.

♦ ♦ ♦

6. Single-men's residences at Canonbury, London. Open planning with a low building takes advantages of the existing landscaping. Chief architect and surveyor, New Scotland

7

Yard: J. Innes Elliott. General contractors: Rush & Tomkins Ltd. Contract price: £133,940.

♦ ♦ ♦

8. This residential hostel at Bayswater Road, Headington, provides accommodation for 60 old people in single or double bedrooms. City architect and planning officer: E. G. Chandler. General contractors: Knowles & Son (Oxford) Ltd. Contract price: £55,000.

♦ ♦ ♦

9. Roupell Court Old People's Home for 80 people for the L.C.C. is planned mainly as a single-storey building round two courtyards. Architect to the council: H. Bennett. General contractors: Bridge Walker Ltd. Contract price: £85,879.

9



## HOUSING

1. The Beckers, Rectory Road, Hackney, a mixed housing development scheme for the Hackney Borough Council. Architect: Frederick Gibberd. General contractors: Hackney Borough Council.

2. Another mixed development scheme, for Gloucester City Council. The photograph shows flats in Fountain Square. Gloucester Cathedral is to be seen in the background. The scheme includes maisonnettes and shops. City architect: J. V. Wall. General contractors: William Moss & Sons Ltd. Contract price £137,800.

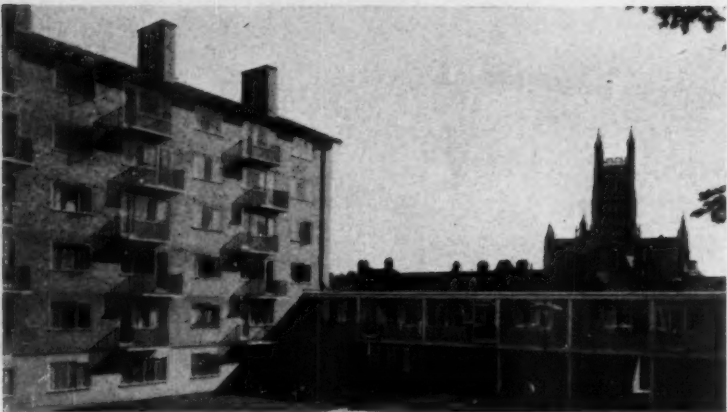
3. These flats in Lambeth are the first part of a major redevelopment to be undertaken by St. Thomas's Hospital. The scheme was fully illustrated in A. & B.N., September 17, 1958. Architect: Leslie G. Creed. General contractors: Wates Ltd. Contract price: £250,000.

4. These maisonnettes in Essex Street, Norwich, include seven three-bedroom maisonnettes and five two-bedroom maisonnettes. The cross-wall construction is based on the Ministry of Housing and Local Government constructional details and specification memoranda. City architect: David Percival. Contractor: T. Gill & Son (Norwich) Ltd. Contract price: £22,187.

5. Six acres of back-land was developed for the Hawkesley Moat Farm Estate, Birmingham, which includes 96 flats in three eight-storey blocks and 12 old-people's bungalows. City architect: A. G. Sheppard Fidler, in association with K. W. Bland, architect for Wates Ltd. H. E. Buteux, senior architect (housing). General contractors: Wates Ltd. Contract price: £255,184.



1



2



3



4



5



6

6. Housing for the Basildon Development Corporation at Vange "7". Architects: Basil Spence & Partners. General contractors: Leslie & Co. Ltd. Contract price: £597,682.

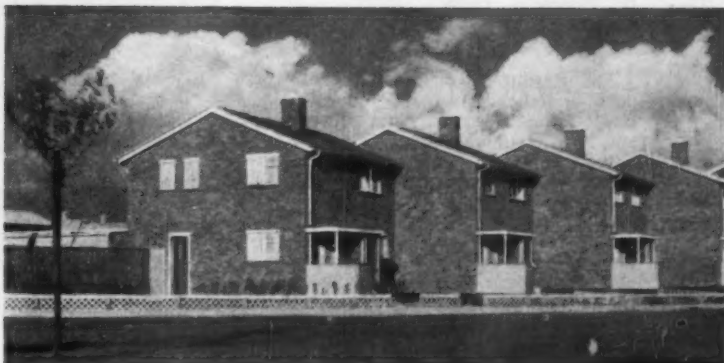
7. Loves Wood, Phases I and II, at Stevenage New Town, comprises 489 houses, two flats and 215 garages. Architect: Clifford Culpin. Contractor: Carlton Contractors Ltd. Contract price: £960,000.

8. These four houses at Rectory Lane, Stevenage, are built on a common plan with variations. Architects: Stirling and Margaret Craig. General contractor: H. McRobbie.

9. Nos. 7A and 7B Fryerns Housing Area comprise 486 dwellings and 113 garages. Basildon Development Corporation chief architect/planner: A. B. Davies. General contractors: J. B. Rose & Co. Ltd. Total contract price: £837,518.

10. Easthampstead Neighbourhood Housing for Bracknell Development Corporation. Chief architect: E. A. Ferriby. Contractor: Y. J. Lovell & Son Ltd. Contract price: £586,091.

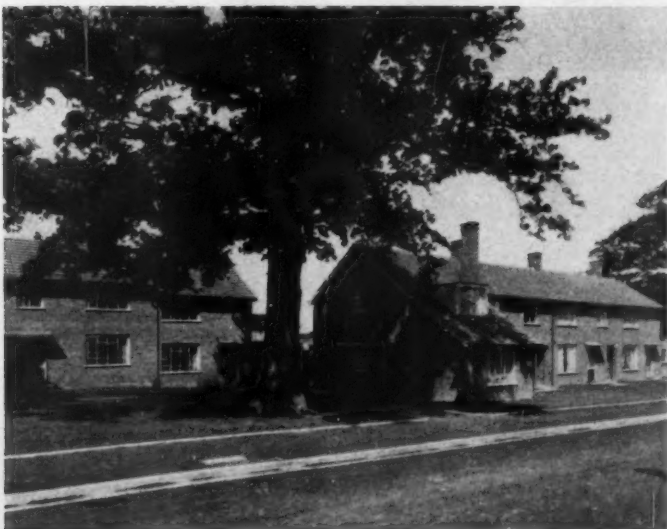
7



8



10



9





## HOUSING

11. This four-storey block of 16 flats at Globe Place, Norwich, consists of eight bed-sitting room flats and eight one-bed flats. City architect: David Percival. Contractor: W. F. Pointer & Sons Ltd. Contract price: £17,906.

12. This seven-storey block of flats at Eastbourne is built on the site of the Park Gates Hotel, which was destroyed during the war. This scheme was fully illustrated in A. & B.N., October 8, 1958. Architect: H. Hubbard Ford. General contractors: C. F. Kearley Ltd.

13. Regent Court, multi-storey flats, Gateshead, includes 160 dwellings. Borough engineer and surveyor and town planning officer: G. F. Winters. Contractor: George Wimpey & Co. Ltd. Contract price: £373,310.

14. Dale Street is the first re-development of a central area in Wolverhampton to be undertaken by the corporation since the war, and it is the first all-electric scheme of its kind in the borough. Borough engineer: H. Schofield. Contractor: A. F. R. Godfrey & Co. Ltd. Contract price: £430,000.

15. The work on the Lansdowne Green Estate, Lambeth, was split into three contracts to allow for progressive rehousing of people already living on the site and 681 flats have been completed. Architects: Arthur W. Kenyon & Partners. General contractors for contracts 1 and 2: Rice & Sons Ltd. Contract 3: Tersons Ltd. Contract price: £1,525,395.



11



12



13



14



15





16

16. Block of 12 three-bedroom flats at Lisson Grove, N.W.8, for the St. Marylebone Borough Council. Load-bearing brick construction. Architects: Edward Armstrong & Frederick McManus. General contractors: A. T. Chown & Co. Ltd. Contract price: £32,609.



17

17. Dale House, N.W.8, is a four-storey building for the St. Marylebone Borough Council, comprising 36 two-bedroom and three-bedroom superimposed maisonnettes. Architects: Edward Armstrong & Frederick McManus. General contractors: W. J. Simms, Sons & Cooke Ltd. Contract price £82,600.



18

18. Block of 24 maisonnettes, Military Road, Canterbury, comprising 16 five-person units and eight four-person units. City architect and planning officer: John L. Berbiers. General contractors: Hawkes Construction Ltd. Contract price: £32,400.



19

19. Flats at Vauxhall Court, Plymouth. They have a view south across the harbour and are of load-bearing brickwork with reinforced concrete floors. City architect: H. J. W. Stirling. General contractors: J. Kerswill & Sons Ltd. Contract price: £46,000.

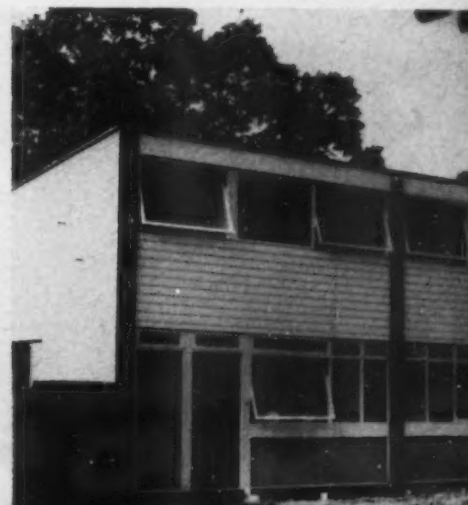


20

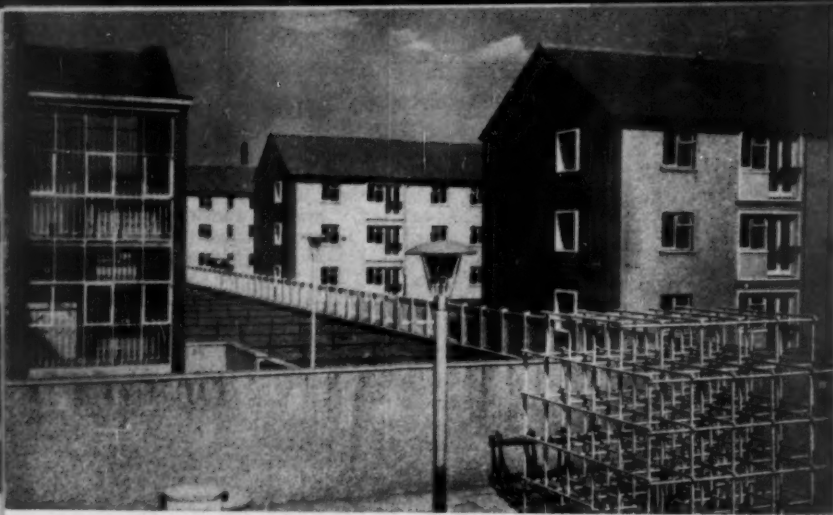
20. The layout of Barstaple—Long Riding, Stage II scheme is one where all houses are on a residential spine road and bus route leading to the town centre. Basildon Development Corporation chief architect/planner: A. B. Davies. General contractor: F. H. Hodgson & Son Ltd. Contract price: £72,600.

21. A terrace of eleven two- and three-bedroom houses at Forest Hill, S.E.26. Construction is of load-bearing brick wall with panels of timber construction front and back. Architects: Andrews, Emmerson, Keable & Sherlock. General contractors: A. T. Chown & Co. Ltd.

21



## HOUSING



22. Hutchesontown / Gorbals Re-development, Glasgow. The first part of this scheme consists of one-apartment flatlets for single persons and three- and four-apartment flats and maisonnettes. These 96 dwellings were designed by the city architectural and planning department, under the direction of A. G. Jury, Glasgow city architect. General contractors: The Corporation's Housing and Works Department. Contract price: £210,600.



23. Clock House, Wood Street, London, E.17. Architects: F. G. Southgate, borough architect, engineer and surveyor. General contractors: Seivad Ltd. Contract price £60,368.

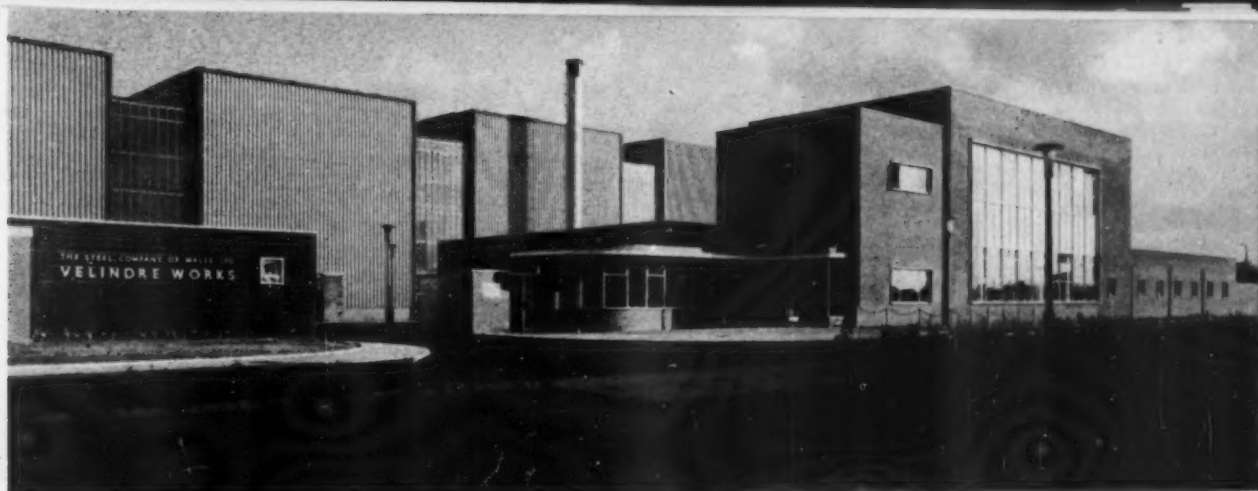
24. Three-storey flats and maisonnettes at 158-180 Fennycroft Road, Hemel Hempstead. Designed by H. Kellett Ablett, chief architect to the Hemel Hempstead Development Corporation. General contractors: Leslie & Co. Ltd.



25. Eight flats at Netherwood Road, London, W.6. This is one of the many infilling schemes carried out in the borough. Flats have two bedrooms and a large living room. Architects: Hammett & Norton. General contractors: Hammersmith Borough Council. Contract price: £18,000.

26. Forty-five flats and maisonnettes, Heartsease Estate, Norwich. Scheme comprises three blocks of ten and one block of 15 flats and maisonnettes. Designed by: David Percival, city architect. General contractors: R. G. Carter Ltd. Contract price: £68,436.





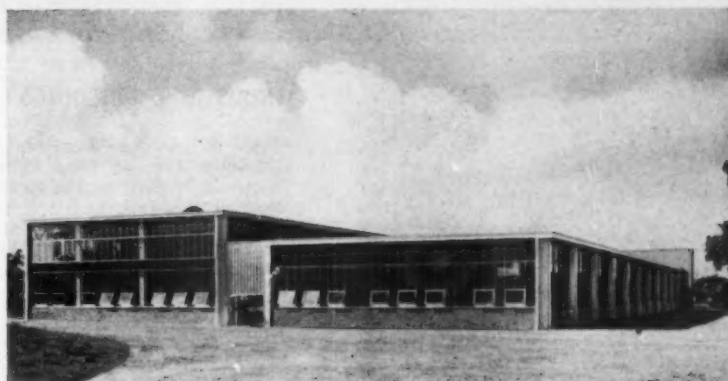
## INDUSTRIAL BUILDINGS

1. New administration offices for the Velindre Works of the Steel Company of Wales Ltd., Tinplate Division. Architects: Sir Percy Thomas & Son. General contractors: R. M. Douglas (Contractors) Ltd.

2. Pharmaceutical production laboratories for CIBA Laboratories Ltd., Horsham. This building, together with a boiler house, forms the first stage of an expansion programme. Architect: E. D. Jefferiss Mathews, of J. Douglass Mathews & Partners. General contractors: John Laing & Son Ltd. Contract price: £150,000.

3. Factory for Leisure Kitchen Equipment Ltd., Nottingham. This new plant is capable of producing 10,000 sinks and 2,000 metal cabinet units every week. Architect: J. W. Wilcox. General contractors: F. Perks & Son Ltd. Contract price (including equipment): £207,530.

4. Factory for Aspro-Nicholas Ltd., Slough. This building comprises two main units, one for administrative facilities and the other a production and warehouse area. Architect: E. D. Jefferiss Mathews, of J. Douglass Mathews & Partners. General contractors: W. & C. French Ltd. Contract price: £1,065,000.







5



6

### INDUSTRIAL BUILDINGS

5. A new warehouse for T. & W. Farmiloe Ltd. at Nine Elms Lane, Battersea; linked to the existing production buildings and original warehouse. Architects: J. M. Austin-Smith & Partners. General contractors: Howard Farrow Ltd. Contract price: £135,254.

♦ ♦ ♦

6. These new buildings for B.V.B. Appliance Co. Ltd. comprise a single-storey factory and a two-storey office block and canteen, shown in this photograph. Architects: Surman, Kelly & Surman. General contractors: W. T. Pickering (Builders and Contractors) Ltd. Contract price: £22,196.

7. A conversion of Station Road Garage, Maidstone into a printing works for the *Kent Messenger*. Architect: Clifford Worthington. General contractors: H. Goodsell & Son Ltd. Contract price: £32,000.

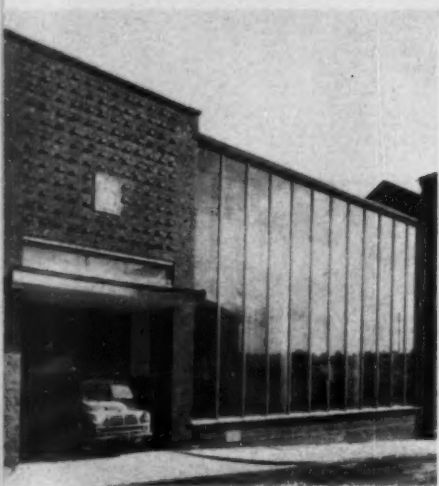
♦ ♦ ♦

8. Spare parts and Accessories Division at Aveley, Essex, for the Ford Motor Co. Ltd. Construction is of steel northlight frame with protected metal roofing. Architects: E. R. Collister and Associates. General contractors: James Crosby & Sons Ltd. Contract price: £1,008,319.

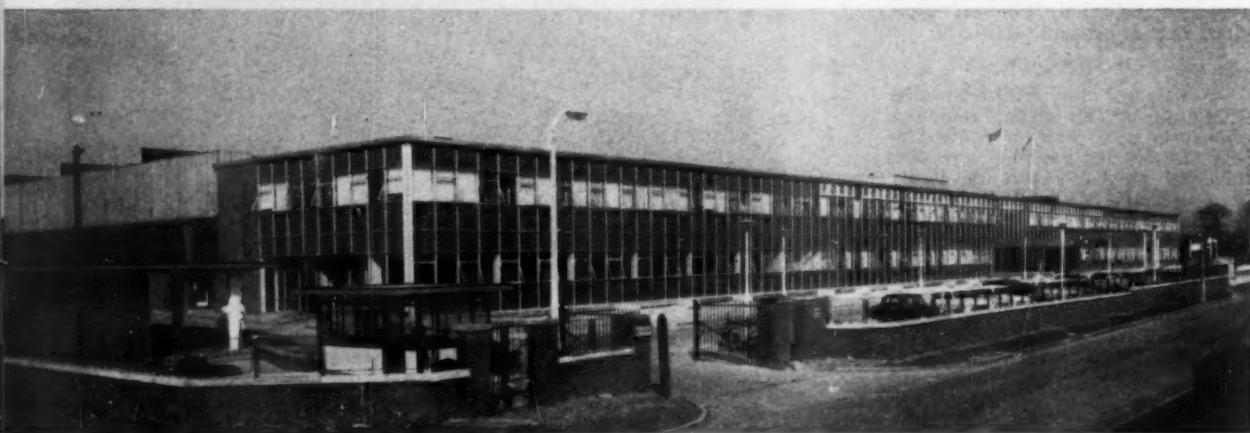
♦ ♦ ♦

9. Factory for William R. Warner Ltd. at Eastleigh, Hants, of pre-stressed, pre-cast R.C. frame, brick

8



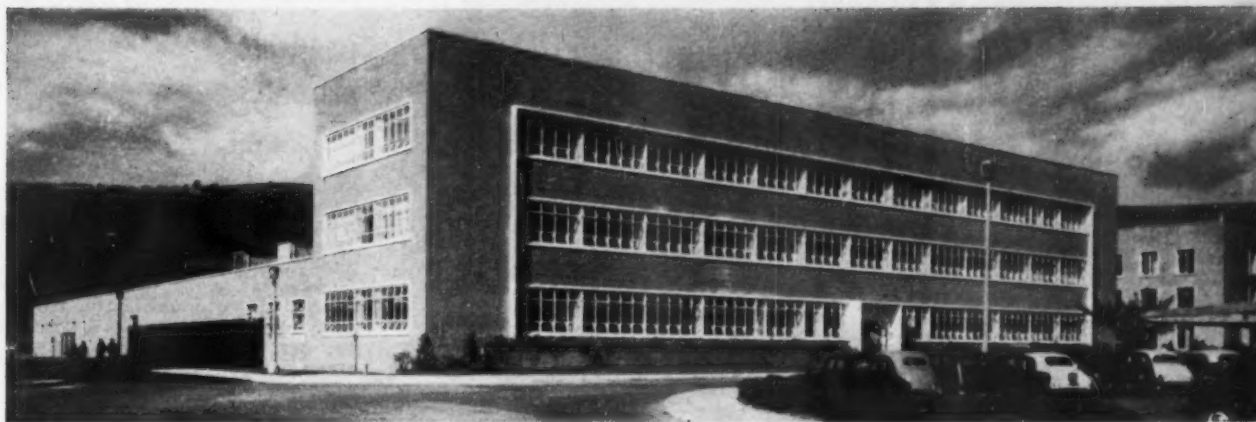
7



9







10

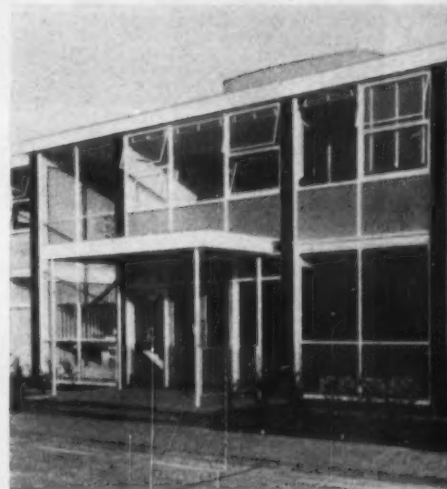
walls and concrete floors. Architects: Edward D. Mills & Partners. Contractors: Holland & Hannen and Cubitts Ltd.

10. British Nylon Spinners Ltd., Pontypool. The building consists of a block of offices in front; and at the rear a small factory for experimental work. Architects: Sir Percy Thomas & Son. General contractors: Sir Robert McAlpine & Sons Ltd. Contract price: £650,000.

General contractors: Boyd & Murley Ltd. Contract price: £81,000.

12. A new bath plant for Bilston Foundries Ltd. at Batman's Hill is believed to be the only bath foundry built as a completely new building. Civil engineering: Sir Alfred McAlpine & Son Ltd.

13. Pithead baths at Pye Hill Colliery, Notts, containing showers, lockers, lamproom, canteen and medical treatment centre. They cater for 1,332 miners. Architects: Elie Mayorcas in collaboration with H. S. Barnett, divisional architect, National Coal Board, East Midland Division. General contractors: M. J. Gleeson. Contract price: £102,395.



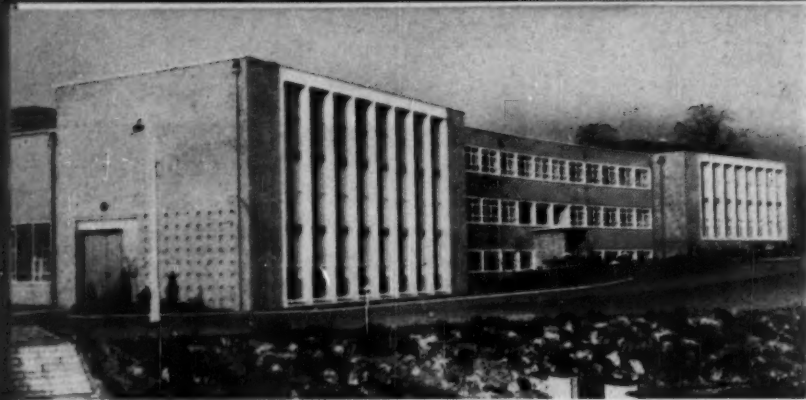
11



13



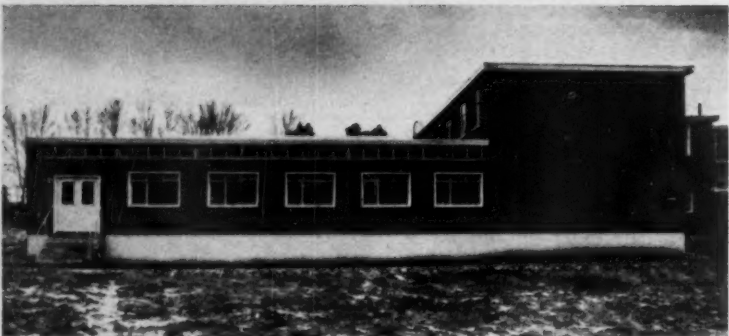
## INDUSTRIAL BUILDINGS



14

14. This new building is the largest extension to the works of Ferodo Ltd., and is claimed to be the largest single factory unit in the world exclusively devoted to the production of friction materials. Architects: Ashworth & Fletcher. General contractors: J. Gerrard & Sons Ltd. Contract price: £750,000.

♦ ♦ ♦



15

15. New engineering training college for the British Tabulating Machine Co. Ltd., at Letchworth. Architects: Hugh D. Roberts. General contractors: D. Davies & Son.

♦ ♦ ♦



16

16. Desk House, a new factory for Carson Bros. (Productions) Ltd., at Basildon. Special precautions were necessary in the construction of this building to prevent the spread of noise in the timber mill. A high standard of office accommodation has been provided as it will serve as showrooms for the company's products. Architects: E. R. Collister & Associates. General contractors: Hosking & Son (Essex) Ltd.

♦ ♦ ♦



17

17. A canteen and large dining room for Tube Investments Research Laboratories, at Hinxton, has been built on the south side of a corridor joining the new laboratory to Hinxton Hall. The building has a steel trussed roof with slate covering. Architects: Hughes & Bicknell. General contractors: William Sindall Ltd., Cambridge. Contract price: £23,500.

♦ ♦ ♦

18. These new workshops in Mark Road, Hemel Hempstead, are part of the developments in the industrial part of this new town. Chief architect to the Development Corporation: H. Kellett Ablett. General contractors: Leslie & Co. Ltd.

18



## OFFICES

1. Bowater House is the new London headquarters of the Bowater Paper Corporation Ltd. Its 17-storey tower is, at the moment, the highest London office in use. A dual carriage-way road connecting Knightsbridge with Hyde Park runs through the centre of the building. Architects: Guy Morgan & Partners. General contractors: Taylor Woodrow Construction Ltd.

2. New offices for William Malinson & Sons Ltd. Being hardwood and veneer merchants, the owners required timber to play a prominent part in the finish of this building, both internally and externally. The cladding panels consist of a mahogany veneer, bonded by special adhesives to pressed steel sheets. Architect: E. D. Jefferiss Mathews, of J. Douglass Mathews & Partners. General contractors: Ashby & Horner Ltd. Contract price: £85,000.

3. Hancock House, Vincent Square, S.W.1, is a block of four floors of offices with a basement car-park and flat roof. The structure is R.C. frame with load-bearing brick external walls above ground level. Architect: Frederick Gibberd. General contractors: Taylor Woodrow Construction Ltd.

4. This "L" shaped seven-storey building is for the head office of the Nestle Co. Ltd., in the City of London. The frame is of reinforced concrete and the facing is Portland stone and polished Cornish granite with red granite to the main entrance. Architects: T. P. Bennett & Son. General contractor: Sir Robert McAlpine & Sons Ltd.







2



3



4



5



1

## OFFICE BUILDINGS

This section includes examples of banks, commercial offices and new office buildings. The majority are works of reconstruction.

♦ ♦ ♦

1. This new Barclays Bank in Mount Street, Mayfair, is a conversion of existing premises by Clifford Culpin. General contractors: Russell Brothers (Paddington) Limited. Contract price: £7,000.

♦ ♦ ♦

2. This is another conversion job, in this case to provide administration premises for Moons Motors Ltd., in Davies Street, W.1. Designer: Geoffrey Salmon, of J. M. Austin-Smith & Partners. General contractors: Holloway Bros. Ltd. Contract price £8,970.

♦ ♦ ♦

3. A similar reconstruction job to provide director's office for William Perring, Kensington. Architect: Brian Peake. General contractors: A. E. Franks. Contract price: £1,000.

♦ ♦ ♦

4. The Abbey National Building Society reconstructed these premises to provide two upper floors as lettable commercial offices. The society occupies the ground floor and basement. Architects: Ronald Ward & Partners. General contractors: H. Fairweather & Co. Ltd. Contract price: £58,000.

♦ ♦ ♦

5. These are new drawing offices and studios for Hunting Aerosurveys Ltd., Boreham Wood, Herts. The design was a development from the clients' original brief, to erect three





standard huts. Architects: J. M. Austin-Smith & Partners. General contractors: David Chaston Ltd. Contract price: £32,710.

♦ ♦ ♦

6. National Provincial Bank at St. Andrews Cross, Plymouth. The building comprises five main floors with two sets of mezzanine floors at each end. The first floor, second mezzanine and the second floor have been let as office space. The third floor contains two three-bedroom flats for occupation by bank staff. Architect: B. C. Sherren. General contractors: Humphreys Ltd.

♦ ♦ ♦

7. Two extra floors have been added to the head offices of Thomas Cook & Son Ltd., Berkeley Street, London. The extensions were provided for when the building was designed by the late Arnold Mitchell, 30 years ago. Architect: Samuel A. S. Yeo. General contractors: Higgs & Hill Ltd.

♦ ♦ ♦

8. Another reconstruction for the Abbey National Building Society, for their branch at Harrow. Again the upper two floors are let as commercial offices. The lower floors are used by the building society. Architects: Ronald Ward & Partners. General contractors: H. Fairweather & Co. Ltd. Contract price: £63,000.

♦ ♦ ♦

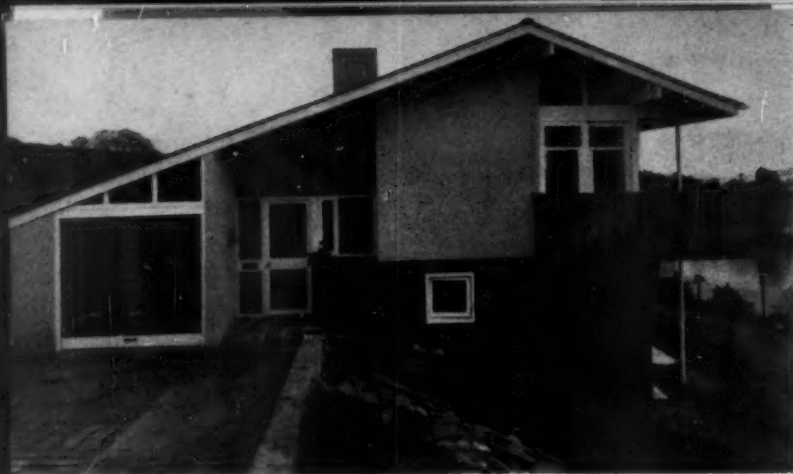
9. Taylor Woodrow's new offices on Western Avenue. The top floor contains directors' dining suite and two large flats. Architects: T. P. Bennett & Son. General contractors: Taylor Woodrow Construction Ltd.

♦ ♦ ♦

10. The Halifax Building Society's reconstruction of their branch office at Huddersfield. The photograph shows a view of the banking hall. Architects: Abbey & Hanson. General contractors: L. & W. Morrell Ltd. Contract price: £46,000.



## PRIVATE HOUSES



1

1. This house at Pill Creek, near Truro, exploits the possibilities of a steeply sloping site. Two bedrooms are placed on the lower ground floor. On the mezzanine level is an entrance hall, garage, dining room, kitchen, etc. On the upper floor is the living room, fully glazed on all sides to take advantage of the wonderful views. Architect: Sheila Tribe, of Sheila Tribe, Buxton & Truscott. General contractors: Bellingham Bros. (Newquay) Ltd. Contract price: £4,250.



2

2. House at Edgbaston, Birmingham. The accommodation was planned for a family of six with grandparents in a self-contained flat. As in the last house, a slope was used for garage at a lower level and owners' suite at mezzanine level. Architects: Norrish & Stainton. General contractors: James Miller & Partners Ltd. Contract price: £12,744.



3

3. Again levels have been used in the planning of this house at Berkhamsted, Herts. Main living accommodation is on the first floor, front entrance at mezzanine (road level), guest bedroom and bathroom, boiler room and workshop on the ground (garden) level. Architects: Peter Dunham, Widdup & Harrison. General contractors: Donald Lockhart Ltd. Contract price: £9,728.



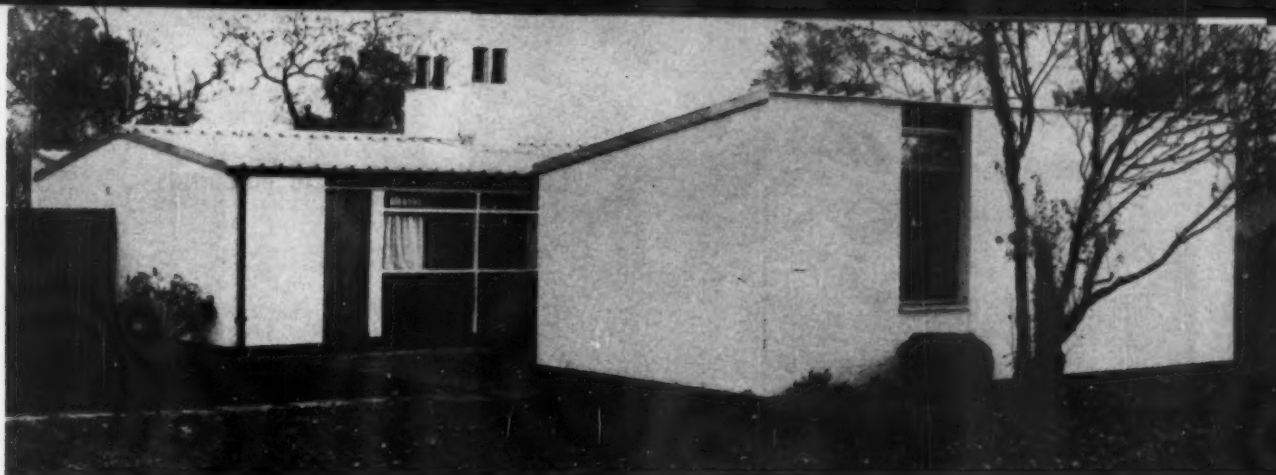
4

4. House at Carylton Bay, St. Austell. Accommodation is three bedrooms, separate bathroom and w.c., lounge, dining-kitchen, fuel store and double garage. Architects: Buxton & Truscott. General contractors: S. R. & A. Nile Ltd. Contract price: £3,500.



5

5. House at Hitchin, Herts. The client's requirement was for a house with a large living area on the first floor in order to take advantage of a distant view. The living room has been arranged in the roof space provided by a 45 deg pitch. Architects: Peter Dunham, Widdup & Harrison. General contractors: Webster &

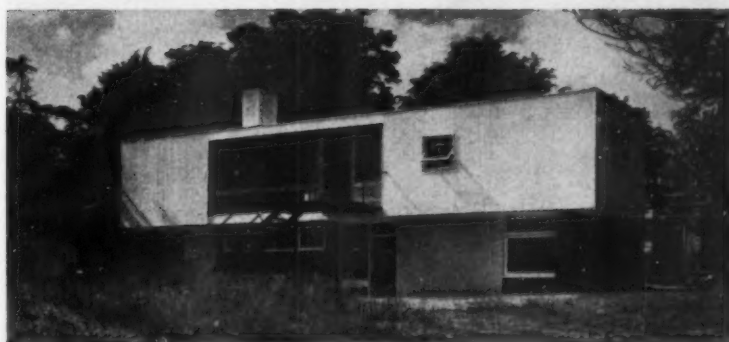


6

Stonehouse Ltd. Contract price: £5,000.

6. Cottages for Kings College, Cambridge, in the centre of Grantchester village. They are used by stockman and another farm worker who both need to live close to the adjoining farm which belongs to the college. The one-storied courtyard plan has answered the problem of economy and individual privacy. Architects: Architects Co-Partnership. General contractors: Rattee & Kett Ltd. Contract price: £2,500 each.

7



7. House at Blackheath. This was designed by the architect, Peter Moro, for himself. The principal living accommodation is on the upper level, the ground floor containing spare rooms, workshop, garage and second bathroom. General contractors: Leslie Bilsby Ltd.

8



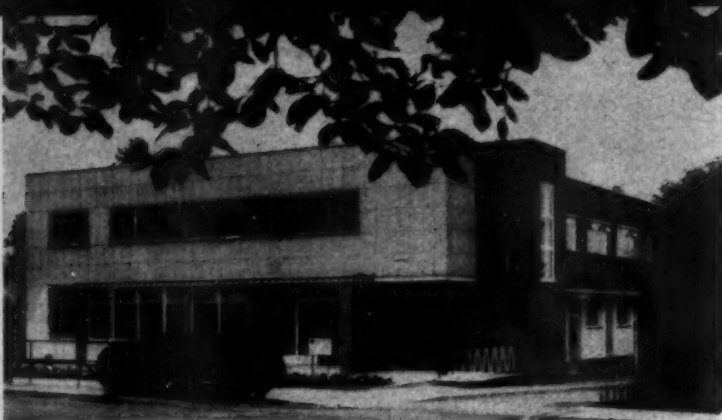
8. House at Weybridge. This house has an extremely spacious plan. It was fully illustrated in A. & B.N., September 10, 1958. Architect: Leslie Gooday. Contractors: H. W. H. Hodgkins and C. M. M. Sutherland.

9. The same architect also designed this house at Ham Common. The accommodation is planned round an entrance courtyard. The house was illustrated in the same issue as the one above. Architect: Leslie Gooday. General contractors: W. Hillier & Son Ltd.

9







## PUBLIC BUILDINGS

1. New branch library, Horsham, for West Sussex County Council. The ground floor contains adult lending library, children's library, heating chamber, etc. Reference library and reading rooms and offices, book store, staff room are on the first floor. County architect: F. R. Steele. General contractors: Y. J. Lovell & Son Ltd. Contract price: £26,570 (including furniture).

♦ ♦ ♦

2. Brixton Police Station. This new building also houses the district headquarters and divisional offices. Chief architect and surveyor, New Scotland Yard: J. Innes Elliott. General contractors: Y. J. Lovell & Son Ltd. Contract sum: £190,000.

♦ ♦ ♦

3. This view shows police residences at Lower Green West, Mitcham, Surrey. There once stood on this site two of the earliest brick cottages ever built in England; one was occupied by the village beadle. Architect: J. Innes Elliott, chief architect and surveyor, New Scotland Yard. General contractors: Kind & Co. (Builders) Ltd. Approximate contract price: £48,000.

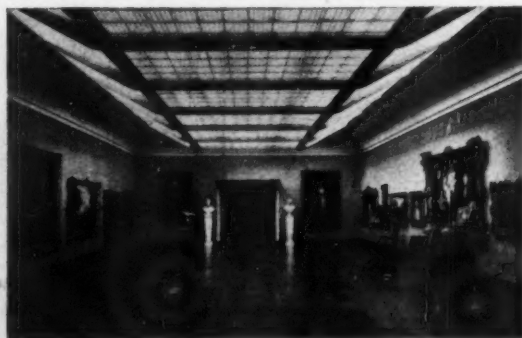
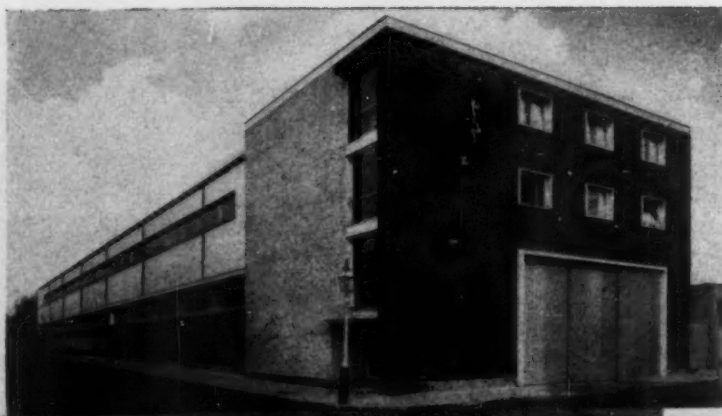
♦ ♦ ♦

4. Police garage and stores, Birmingham, for the City Council. Architects: Leonard J. Multon & Partner in association with A. G. Sheppard Fidler, Birmingham city architect. Main contractors: Parsons & Morrin Ltd. Contract price: £164,997.

♦ ♦ ♦

5. The restored Feeney Galleries of Birmingham's Museum and Art Gallery. The suspended Velarium, based on B.R.S. recommendations, directs highest level of illumination on the picture plane at eye level. City architect: A. G. Sheppard Fidler. Deputy city architect: J. R. Sheridan-Shedden. General contractors: C. Bryant & Son Ltd. Accepted tender: £162,685.

5







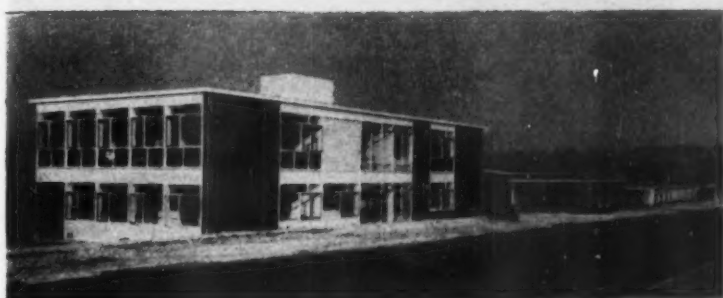
6. The new City and Guilds of London Institute headquarters in Portland Place. Architects: Howard V. Lobb & Partners. General contractors: Holliday & Greenwood Ltd. Approximate cost: £260,000.

7. New Head Post Office, Harlow New Town. The ground floor is used for the public office, with its ancillary accommodation such as accounts and balancing rooms, etc. Administrative offices on the first floor. Staff rooms, including canteen, on the top floor. The building was designed by T. F. Winterburn, senior architect, Ministry of Works. General contractors: Thomas Bates & Sons Ltd., Romford, Essex.

8. Another new Head Post Office at Berkhamsted, Herts. The accommodation is arranged on similar lines to the post office just mentioned. The same architect designed the building for the Ministry of Works. General contractor: Sir Lindsay Parkinson & Co. Ltd.

9. The County Supplies Departments and Fire Headquarters, Arnold, Notts. These are the first non-educational buildings to be built using the Consortium of Local Authorities Special Projects System. The picture also shows the two-storey county fire service headquarters by the same architect. W. D. Lacey, county architect. General contractors: Sweeney & Palmer Ltd. Cost of supplies building: £44,324. Cost of fire headquarters building: £20,590.

10. Armagh Fire Station, Northern Ireland. The architects used stone, which is available on the site, to form panels in the walls of the new building. Architects: James Munce (Munce & Kennedy). General contractors: Messrs. Boyd Brothers, Dungannon, C. Tyrone. Contract price: £12,598.





## PUBLIC BUILDINGS

11

11. Nuffield House, Musgrave Park Hospital, Belfast. This new block is linked to the existing hospital and contains an experimental ward unit of 80 beds arranged on two floors, a twin operating theatre suite, a central sterile supply department (the first in Britain) and an X-ray department. Architects: Richard Llewelyn Davies and members of the research team of the Nuffield Foundation Division for Architectural Studies. Executive architects: Samuel Stevenson & Sons. General contractors: William Logan & Sons Ltd. Contract price: £195,000.

♦ ♦ ♦

12. Dunfermline and West Fife Hospital, Casualty Block. Architect: John Holt (South-Eastern Regional Hospital Board, Scotland). General contractors: Alex. Fraser Ltd. Contract price: £98,000.

♦ ♦ ♦

13. The Radiotherapeutic Institute, Western General Hospital, Edinburgh, was awarded the R.I.B.A. Bronze Medal for a building of outstanding merit completed in Scotland between 1950 and 1956. The scheme was illustrated in A. & B.N., July 30, 1958. Architect: John Holt (South-Eastern Regional Hospital Board, Scotland). General contractors: W. & J. R. Watson Ltd.

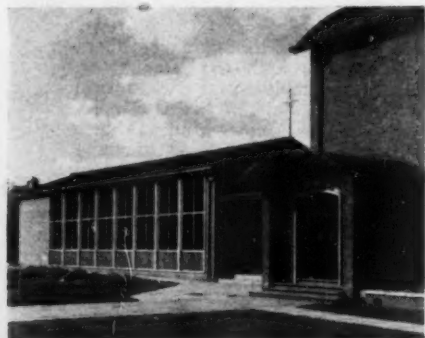
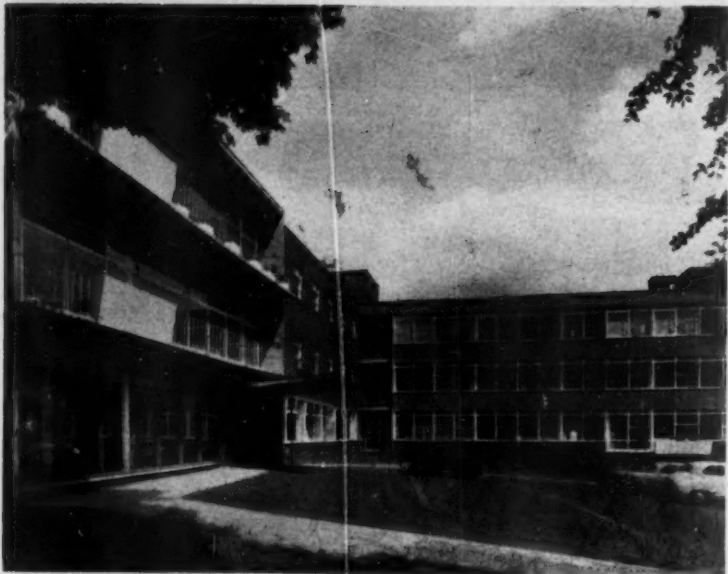
♦ ♦ ♦

14. Office block for the technical department of the Sheffield Regional Hospital Board. Architect: E. F. Wilson (regional architect). General contractors: Vic Hallam (Contractors) Ltd. and Vic Hallam Ltd. Contract price: £23,282.

13

14

15



15. All Saints Church Hall, Darlaston, has been added to the existing church which was built in 1951. The construction is of steel portal frames with brick end walls. Architects: Lavender, Twentyman & Percy. General contractor: Biddulph & Thrift Ltd. Contract price: £11,800.

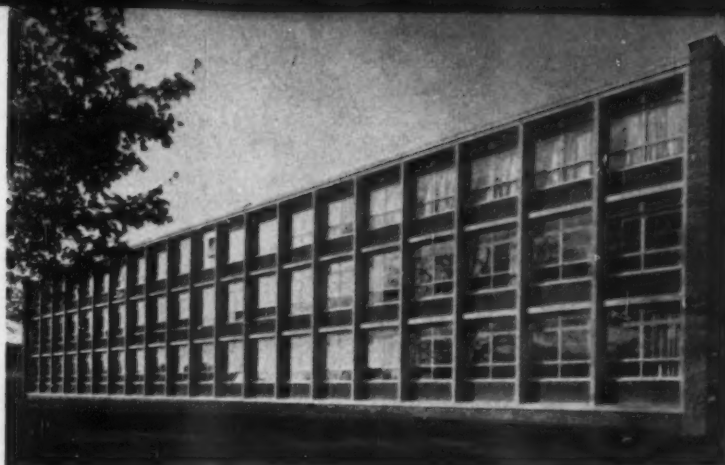
16. West Wales General Hospital, Glangwili, Carmarthenshire. This is a 96-bed ward block which forms part of the first stage of this hospital's development. Architects: Sir Percy Thomas & Son. General contractors: E. Turner & Sons Ltd. Contract price: £400,000.

17. This health clinic, Portland, is similar to others being constructed in the county and caters for normal health services. Portland stone and Tyrolean rendered brickwork are used. Roof is of felt on Stramit and normal timber construction with a ceiling of thermal insulation. County architect: J. Hurst. General contractors: Theo. Conway Ltd. Contract price: £10,600.

18. Nurses' Home and Training School, Western General Hospital, Edinburgh. Architect: John Holt (South-Eastern Regional Hospital Board, Scotland). General contractors: none; individual trades. Cost: £56,000.

19. Kiosks, Queen's Square, Crawley Town Centre, designed as four kiosks with lavatory accommodation. Also, a tobacconist and confectioner (two units), florist and taxi office. H. S. Howgrave-Graham, chief architect, Crawley Development Corporation. General contractors: James Longley. Contract price: approx. £4,500.

20. Public Convenience, The Boulevard, Crawley. H. S. Howgrave-Graham, chief architect, Crawley Development Corporation. General contractors: Y. J. Lovell & Son Ltd. Contract price: £5,000.



16



17



18



20



19





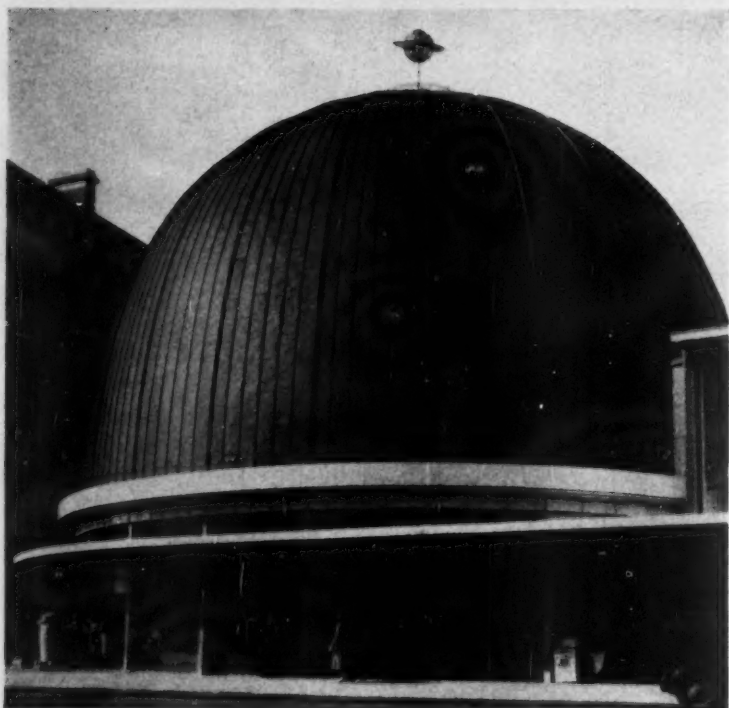
21

## PUBLIC BUILDINGS

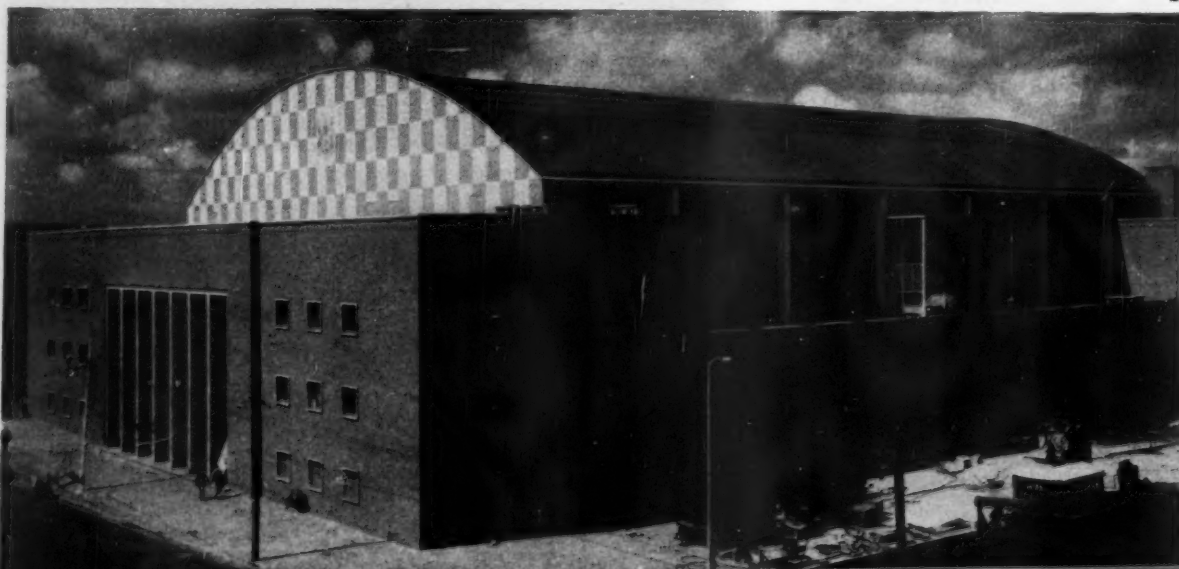
21. The Belgrade Theatre, Coventry. Scheme includes six shops and 21 single-person flats for the theatre company. Designed by Arthur Ling, city architect and planning officer. Principal architect, Douglas Beaton. Group architect, Kenneth King. General contractors: George Wimpey & Co. Ltd. Approximate total contract price: £274,000.

♦ ♦ ♦  
22. The London Planetarium, London. Architect: George Watt. General contractors: A. J. Wait & Co. Ltd.

♦ ♦ ♦  
23. Wales Empire Pool, Cardiff. Plans prepared by E. C. Roberts, city surveyor, Cardiff. Sir Percy Thomas & Son advised on the design and treatment of the elevations. John Drybergh, city architect, Cardiff (appointed 1957), was responsible for the building. General contractors: Davies, Middleton & Davies Ltd. Contract price: £650,000.



22



23



1. "The Mayflower", Leicester. This is a two-roomed public house in a newly developed part council and part private owned estate. It is planned for extension in due course. Construction is of load-bearing brick walls with local stone and rendered elevation. The roof is a timber monopitch. D. A. Gwillian, staff architect for Ansells Brewery Ltd. General contractors: Duxbury & Sons. Contract price: £20,000.

2. "St. Brides Tavern", London, the first unit in a scheme comprising offices, shops and a bank. Accommodation includes a ground-floor saloon lounge, first-floor lounge with snack bar and manager's flat. Architects: Shingler & Risdon. Architect-in-charge: Peter Denney. Interior design was carried out in association with F. H. Field, of Watney Combe Reid & Co. Ltd. General contractors: John Mowlem & Co. Ltd.

3. "The Rhino", Derby. Three-roomed house with central corridor access to all three rooms. The lounge is normally closed during the week and open at week-ends to cope with the main trade. A large garden forms part of the overall scheme. Architect: William Blair. General contractors: Gee Walker & Slater Ltd.

4. "The New Gog", London, comprises two bars, a luncheon room, off-sales and crate store on the ground floor, and landlord's and staff accommodation on the first floor. Architects: Edward Armstrong & Frederick MacManus. General contractors: E. A. Roome & Barclay Co. Ltd. Contract price: £30,820.

5. "The Samuel Whitbread", Leicester Square, London. Architects: T. P. Bennett & Son. General contractors: Harry Neal Ltd.



PUBLIC  
HOUSES





1

## SCHOOLS

This year the range of school buildings chosen for the review covers a wider field than in previous years. The general standard of design continues to be high.

♦ ♦ ♦

1. Hillside Infant School, Boreham Wood, for the Herts County Council, is built in Hills steel frame with pre-cast concrete cladding, now almost traditional construction for schools in Herts. County architect: C. H. Aslin, C.B.E. General contractors: Francis Jackson Contractors Ltd., Uxbridge. Price: Approximately £41,450.

♦ ♦ ♦

2. A Junior Occupation Centre at Chelmsford for Essex County Council. Has accommodation for about 68 handicapped boys and girls who are not able to attend normal school. County architect: H. Conolly, C.B.E. General contractors: P. E. Gowers Ltd., Chelmsford. Accepted tender price: approximately £20,000.

♦ ♦ ♦

3. A two-floor classroom at Hutton Brookfield Junior School which adjoins a housing estate by Brentwood U.D.C. This is the second school to be erected on the same site for Essex County Council by their county architect. General contractors: Whyatt (Builders) Ltd., London. Cost: £47,877.

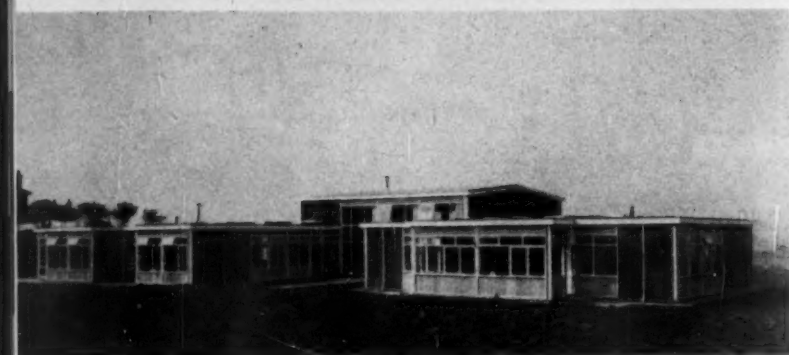
6



2



3



4



5



4. The first instalment of Heymann Primary School for Nottinghamshire County Council. County architect: W. D. Lacey. General contractor: Sweeney & Palmer Ltd. Cost of first phase: £31,968.

5. Church Cowley Primary School, Oxford, has a compact plan using assembly hall as circulation. E. G. Chandler, Oxford city architect and planning officer. Contractor: A. C. Carter (Oxford) Ltd. Contract sum: £38,800. Net cost per sq ft: 71/3.

6. Walderslade Secondary School for boys and girls, Chatham. Architects: Richard Sheppard, Robson & Partners. General contractors: G. E. Wallis & Sons Ltd. Approximate contract price: £320,000.

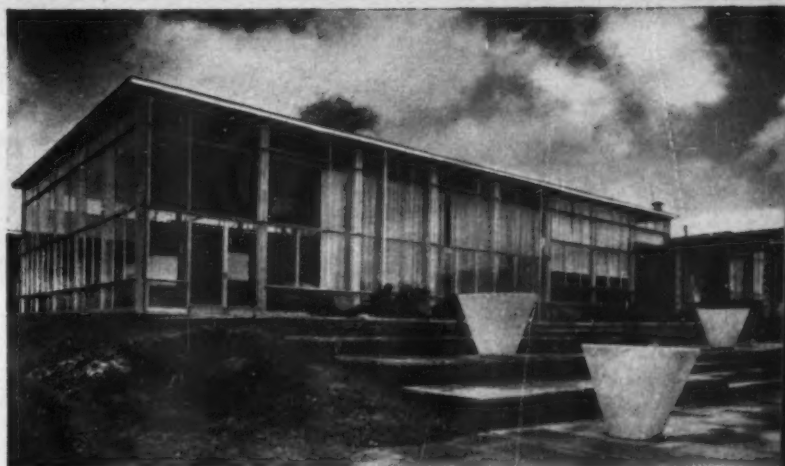
7. Junior mixed and infant school, Hitchin, for Herts County Council, by the county architect. General contractor: John Willmott & Sons (Hitchin) Ltd. Price: £44,500.

8. Mickleover County Junior School for Derbyshire County Council. County architect: F. Hamer Crossley. General contractors: Vic Hallam (Contractors) Ltd. Contract price: £55,000.

9. Secondary Four-form Entry Technical School, Watford, for Herts County Council. County architect: C. H. Aslin, C.B.E. Contractor: Y. J. Lovell & Son Ltd. Price: £218,000.

10. T. P. Riley Secondary School, Bloxwich, for Walsall Education Committee. Architects: Richard Sheppard, Robson & Partners. General contractors: Sir Alfred McAlpine & Son Ltd. Approximate contract price: £278,000.

11. Garrett Green Secondary School for 2,200 girls, Wandsworth, for the L.C.C. Architect to the council: Hubert Bennett. Schools architect: Michael Powell. Contractor: Tersons Ltd. Contract price: £652,749.



7



8



9

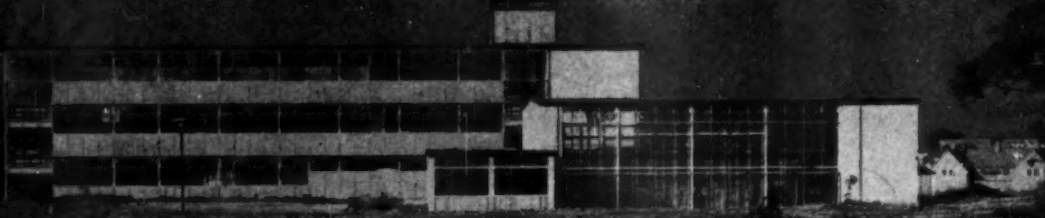


10



11





12, 13

## SECONDARY SCHOOLS

12. Falcon Lodge County Secondary School, Sutton Coldfield, for Warwickshire County Council. Architects: Surman, Kelly & Surman in association with G. R. Barnsley, county architect. Contractors: J. R. Deacon Ltd. Contract price: £90,000.

♦ ♦ ♦

13. Warrenfield Four-form Entry Secondary Modern School for Bucks County Council. County architect: F. B. Pooley. Contractors: Janes (Builders) Ltd. Contract price: £153,438.

♦ ♦ ♦

14. High Park Two-form Secondary Modern Mixed School for the Worcestershire County Council. Architects: Yorke, Rosenberg & Mardall. General contractors: McKeand Smith & Co. Ltd. Contract price: £103,110.

15. Moat Mount Four-form Entry Secondary Modern Mixed School, Hendon, for Middlesex County Council. County architect: C. G. Stillman. General contractors: William Moss & Sons Ltd. Contract price: £208,595.

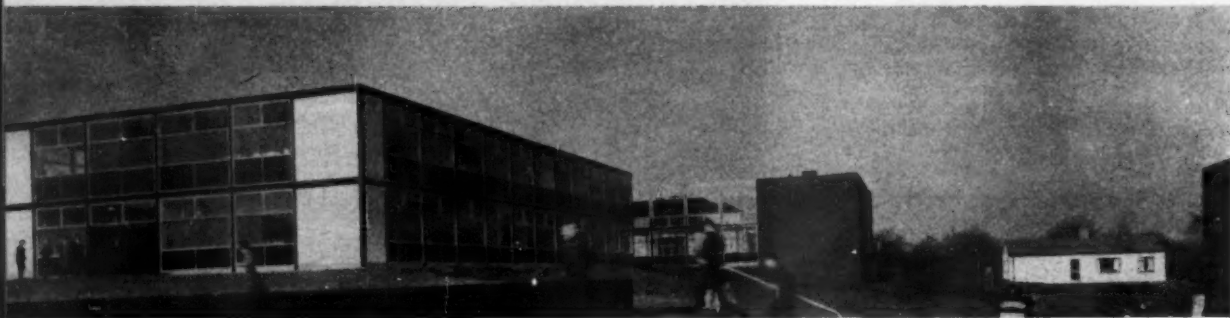
♦ ♦ ♦

16. Little Thurrock Torells Secondary Girls' School, for Essex County Council. Architects: Clifford Culpin in collaboration with H. Conolly, county architect. General contractors: Barvis Partners Ltd. Contract price: £140,000.

♦ ♦ ♦

17. Burrington Secondary Modern School, for the City of Plymouth. City architect: H. J. W. Stirling. General contractors: The Godolphin Co. Ltd. Contract price: £108,670.

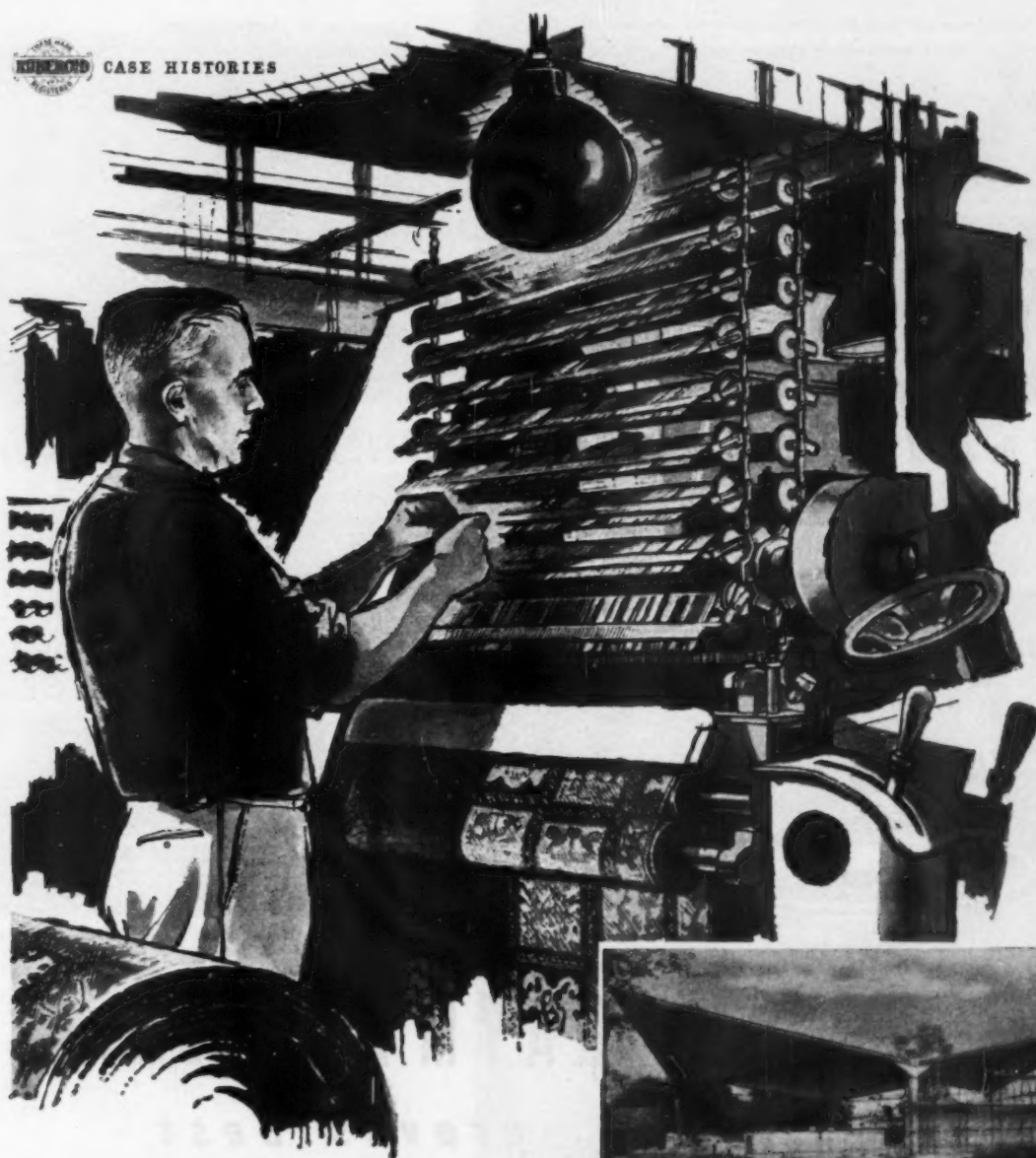
14, 15







CASE HISTORIES



## Roll out the carpet for hyperbolic paraboloid!

Much architectural interest is being focused on the unusual roof designed by Architect Mr. Robert Townsend, F.R.I.B.A., for The Wilton Royal Carpet Factory Limited, using a Ruberoid Built-Up Roof with a mineral surfaced Capsheet. First roof of its kind to be erected in this country, first and only roof ever to be built in timber on the multiple hyperbolic parabola principle, and a great triumph for its adventurous designer, for using a basically simple geometrical principle to such good effect.

*The roof consists of four panels of hyperbolic paraboloid shells, each 57 ft. 5 in. square, supported independently by a concrete column at the mid-point of each side and weatherproofed with Ruberoid Built-Up Roofing.*

# RUBEROID

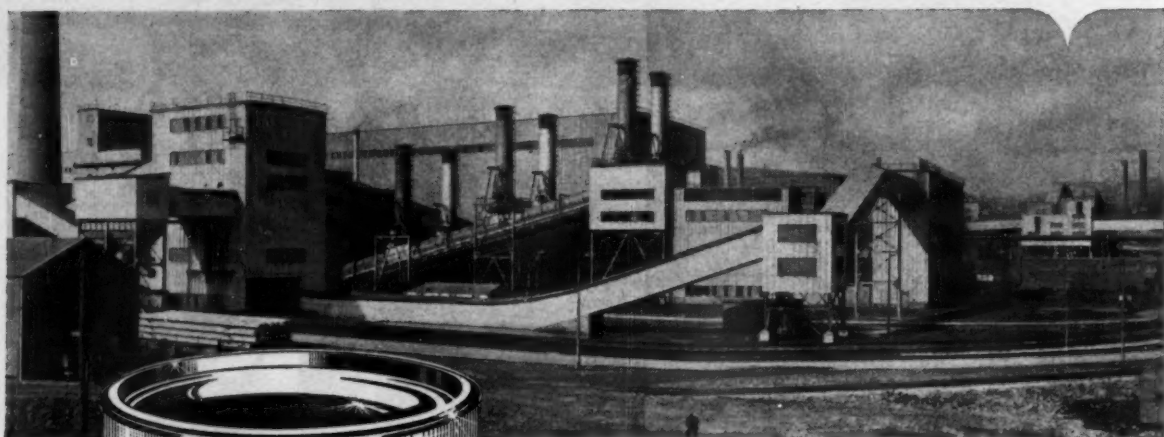
Our South Coast test farm provides extreme conditions.



A house on the Hampshire coast.



***Proved in field tests... On residential property... On industrial buildings***



The Ore Preparation Plant at the Margam Works of the Steel Company of Wales.



## **GAYMEL enamel** ***proves best***

Gay's new, brilliant gloss finish, GAYMEL is the product of many years' planned research. Selected from hundreds of formulations tested in Gay's South Coast proving station, Gaymel was then given practical trials on residential and industrial property.

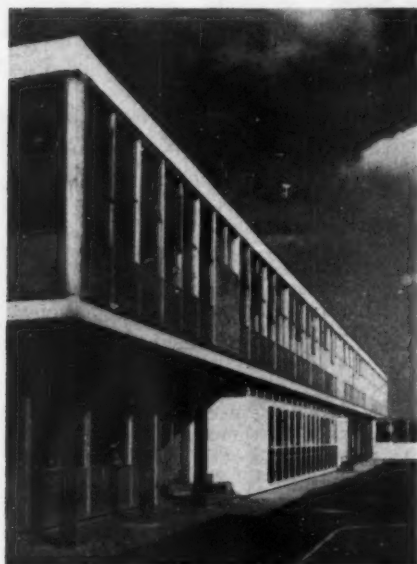
Alongside standard, accepted materials, Gaymel proves best. In city smoke as on exposed coastal sites Gaymel reveals outstanding tenacity in gloss and colour retention, year after year.

**MANUFACTURED BY R. GAY & CO.**  
93/97 NEW CAVENDISH ST., LONDON, W.1  
Telephone: Langham 0831



*another* **sound paint — by GAY'S**

BRANCHES IN • BIRMINGHAM • BRISTOL • BELFAST • GLASGOW • LEEDS • MANCHESTER



16

## SECONDARY SCHOOLS

18. Oswestry Secondary School, for 510 boys. Architects: Richard Sheppard, Robson & Partners. General contractors: Jenks (Builders) Ltd. Contract price: £143,000.

♦ ♦ ♦

19. Science building for Bryanston School, Dorset, built in load-bearing brick and timber-framed panels, containing windows. Architects: Architects' Co-partnership. General contractors: D. Singleton & Son Ltd. Price: £65,000.

♦ ♦ ♦

20. Edge Hill Secondary Modern School for 450 pupils. Architects: Willink & Dod. General contractors: Henry Boot & Sons Ltd. Contract price: £140,000.

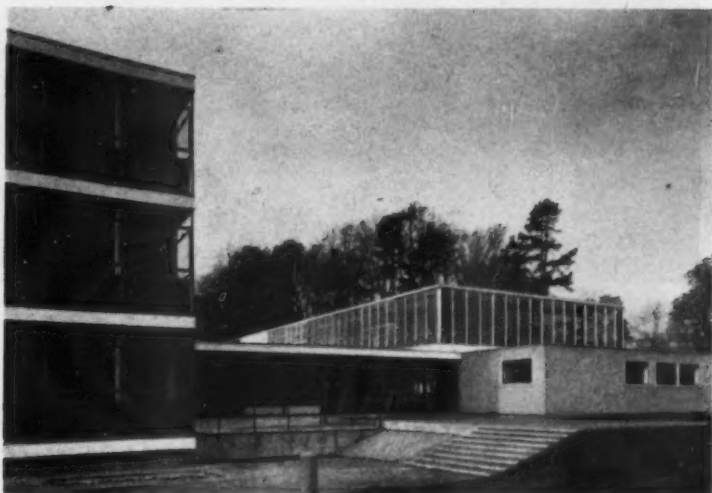
♦ ♦ ♦

21. Ward End Hall Three-form Entry Modern Mixed School, for the city of Birmingham. City architect: A. G. Sheppard Fidler. Senior architect (schools): E. Mason. General contractors: George Wimpey & Co. Ltd. Contract price: £142,400.

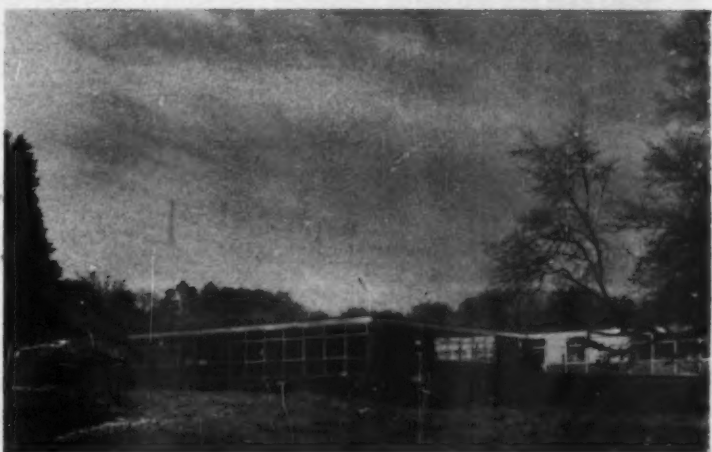
20



17



18



19



21



22

## SECONDARY SCHOOLS



23



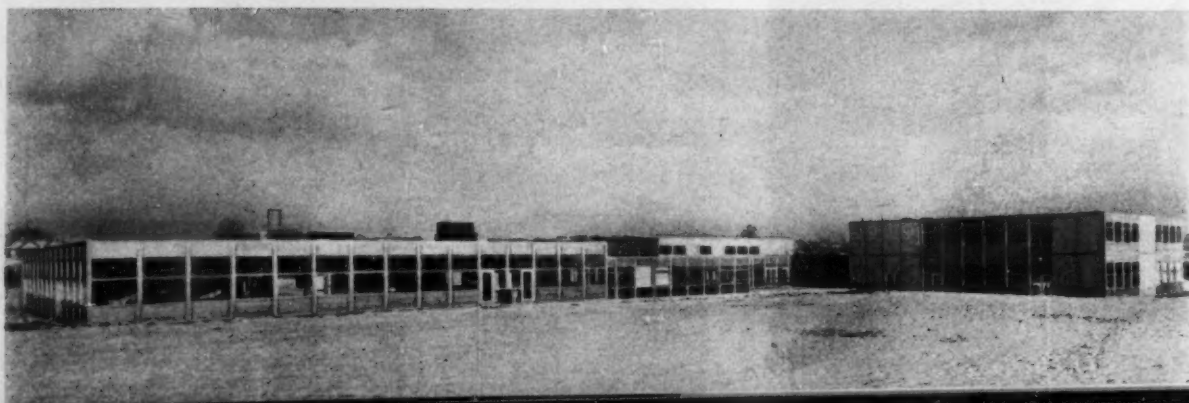
24



25



26



22. Hackenthorpe Secondary Modern School for the Derbyshire County Council, built with Hills' Presweld grid and spar cladding; staircases and assembly hall in brickwork. Architects: Hughes & Bicknell, in collaboration with F. H. Crossley, county architect. General contractors: W. Malthouse Ltd. Contract price: £215,000.

♦ ♦ ♦

23. All Saints C.E. Secondary Modern Three-form Entry Mixed School, Weymouth, on a sloping site overlooking Portland Harbour, for the Dorset County Council. County architect: J. Hurst. General contractor: C. P. Unwin & Sons Ltd. Contract price: £142,600.

♦ ♦ ♦

24. Nightingale Three-form Entry Secondary Modern Mixed School, Wanstead, for the Essex County Council. Architects: Tooley & Foster in collaboration with H. Conolly, county architect. General contractors: J. & J. Dean (Contracts) Ltd. Contract price: £145,000.

♦ ♦ ♦

25. Swanage County Modern Mixed School for 220 children, situated on a sloping site with the Purbeck Hills in the background. County architect: J. Hurst. General contractors: J. H. Wilson & Sons Ltd. Contract price: £105,500.

♦ ♦ ♦

26. Kingshurst High School, Tile Cross, Birmingham, for the Warwickshire County Council. Architects: Architects' Co-Partnership in collaboration with G. R. Barnsley, county architect. General contractors: C. Bryant & Sons Ltd. Contract price: £148,000.

♦ ♦ ♦

27. St. Martin's C.E. Secondary School, West Drayton. Architects: Norman & Dawbarn. General contractors: J. M. Hill & Son Ltd. Contract price: £96,000.

♦ ♦ ♦

28. Wobaston Secondary Modern School, for Wolverhampton Borough



# FORMICA\* present



## VANITORY\* units!

For the modern bathroom, for the hotel bedroom, for the school washroom . . . let your planning include the VANITORY unit, Formica's new contribution to a pleasanter, more convenient life. Instead of all the separate elements of bowl and taps, towel rail, mirror, cupboard or shelf, think of one compact and space-saving and handsome fitment which unites them all. Specify VANITORY units, with their smooth, beautiful, everlasting FORMICA surfaces.

The VANITORY unit is not just a *thing* . . . it's a *principle* . . . a flexible idea. Leading manufacturers of bathroom fittings, in conjunction with Formica Ltd., have designed their own VANITORY units to suit many preferences and special demands, from the cloakroom of a big hotel to the guest-room of a private house. See them, and see how exactly they accord with modern needs—and your own thinking! Remember, VANITORY units are only surfaced in . . .

**FORMICA—THE FINEST OF ALL THE DECORATIVE LAMINATES**

\*VANITORY and \*FORMICA are registered trade marks. Formica Ltd. (Vanitory Enquiries) De La Rue House, 84/85 Regent St., London W1

## SOUTHEND AIRPORT



ARCHITECTS : SETH-SMITH, MONRO &amp; MATTHEW

PHASE I IN THE RECONSTRUCTION PROGRAMME FOR  
MESSRS AIR CHARTER LIMITED AT SOUTHEND, INCLUDING  
REINFORCED CONCRETE FOUNDATIONS & STEELWORK

*DESIGNED, SUPPLIED & ERECTED BY:*

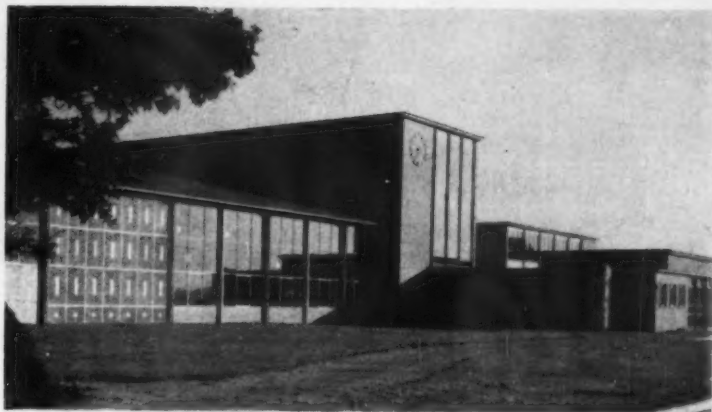
**CONSTEL**  
(STRUCTURES) LIMITED

Head Office: 52 Grosvenor Gardens, S.W.1. SLOane 1041

*ENGINEERS IN CONCRETE & STEEL*



27



28

## SECONDARY SCHOOLS AND COLLEGES

Council. Architects: Lavender, Twentyman & Percy. General contractors: McKeand Smith & Co. Ltd. Contract price: £168,000.

♦ ♦ ♦

29. West Wythenshawe College of Further Education, Manchester. City architect, Leonard C. Howitt. General contractors: G. & J. Seddon Ltd. Contract price: £212,000.

♦ ♦ ♦

30. East Berks College of Further Education, Maidenhead, for engineering subjects; with workshops, teaching rooms and assembly hall. County architect: J. T. Castle. General contractors: J. M. Jones & Sons Ltd. Contract price: £79,300.

♦ ♦ ♦

31. Science Block, Kent College, Canterbury. Architects: Edward D. Mills & Partners. General contractors: E. G. Pitcher Ltd. Contract price: £26,493.

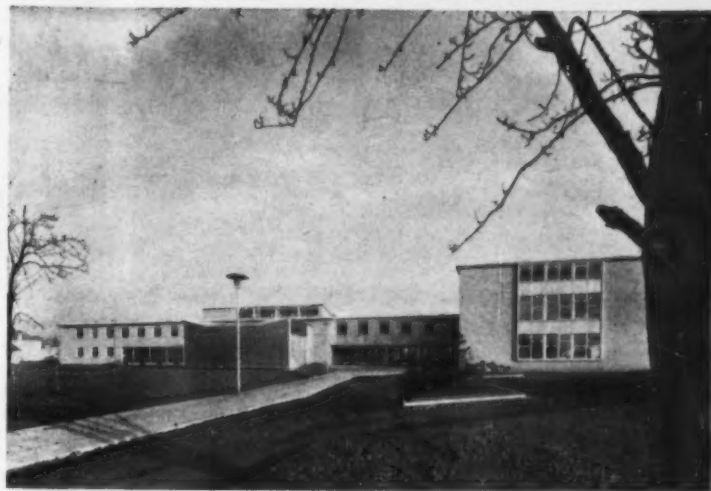
♦ ♦ ♦

32. Stowe Hixon Secondary Modern School. Cladding is timber curtain walling and cedar boarding. Architects: Denis Clarke Hall in association with A. C. H. Stillman, Staffordshire county architect. General contractors: Green & Bird Ltd. Contract price: £110,000.

32



10



29

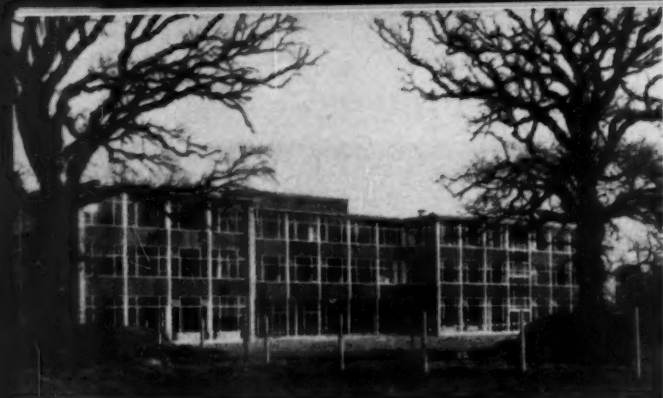


30



31

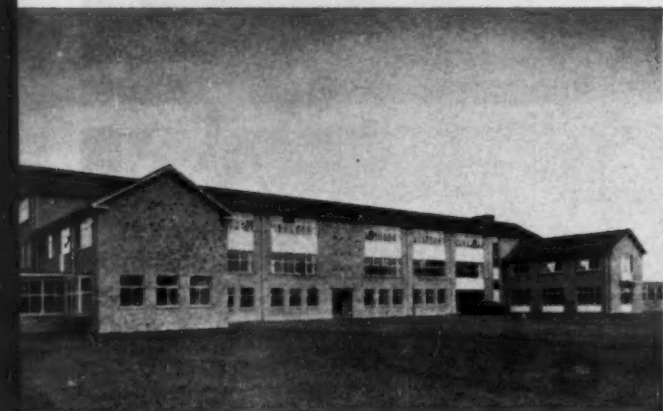




33



34



35



36

**SCHOOLS . . .**  
**GRAMMAR**  
**HIGH**  
**AND**  
**SPECIAL**

33. A county high school for 612 girls, Colchester, designed for Essex County Council by the County Architect's Department. H. Conolly, county architect. General contractors: J. Moss & Son Ltd., Colchester. Cost: £161,000.

♦ ♦ ♦

34. Tollington Secondary Grammar School, Hornsey, designed for the Middlesex County Council by the County Architect's Department. County architect: C. G. Stillman. Contractors: Walter Lawrence & Son Ltd.

♦ ♦ ♦

35. Girls' Grammar School, Didcot, for Berkshire County Council, designed by the County Architect's Department. J. T. Castle, county architect. General contractors:

Frederick J. Minns & Co. Ltd. Contract price: £122,836.

♦ ♦ ♦

36. A new kitchen dining hall block for the governors of Highgate School, a public school of ancient foundation in Highgate Village. Architects: Oswald P. Milne and A. Underhill. General contractors: E. H. Burgess Ltd. Contract price: £60,000.

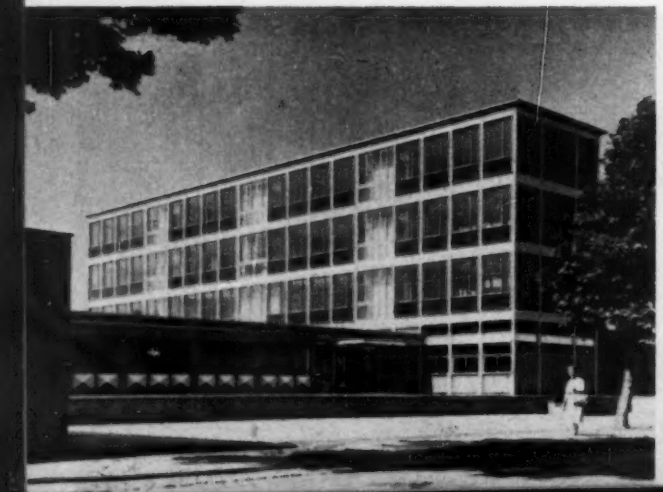
♦ ♦ ♦

37. The Hewett School, Norwich, incorporates a gymnasium to Olympic standards. Designed by the City Architect's Department. David Percival, city architect. General contractors: Gilbert-Ash Ltd. Contract price: £200,236.

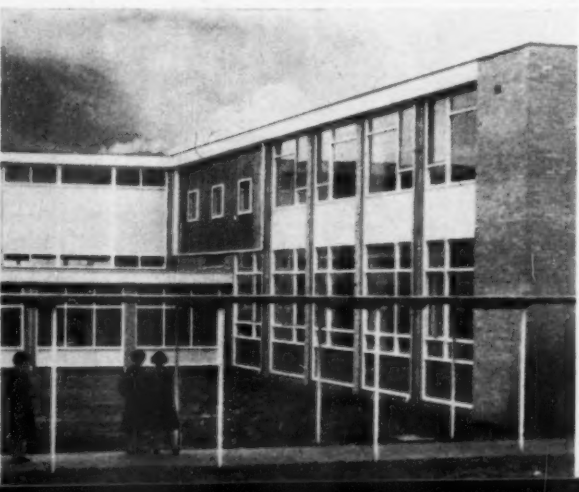
♦ ♦ ♦

38. Maghull Grammar Technical School, a mixed school for 540 pupils.

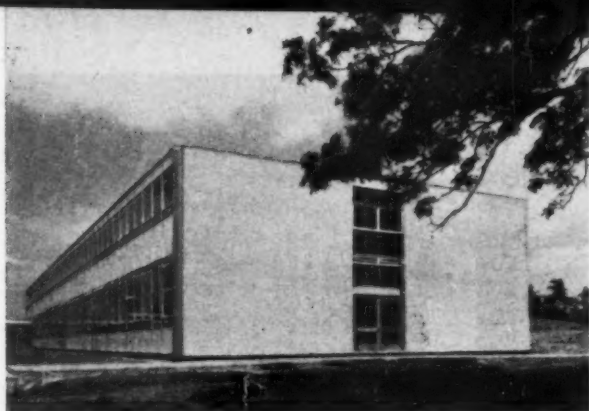
37



38



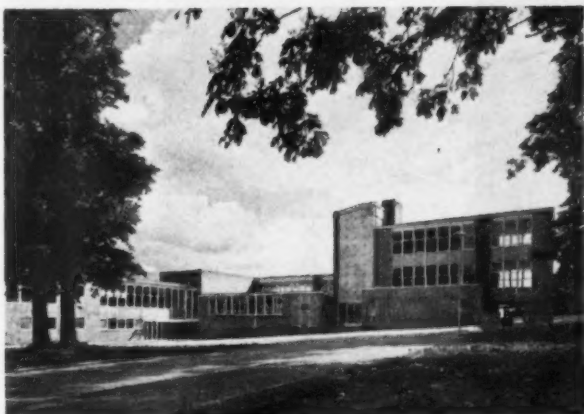




39



40



41



42

Accommodation is provided in two teaching blocks linked by the administrative area and assembly hall. It has been designed for the Lancashire County Council by the County Architect's Department. G. Noel Hill, lately county architect. General contractors: W. Tomkinson & Sons Ltd. Contract price: £181,064.

39. Lady Lumley's School, Pickering, Yorkshire. A four-form entry grammar and modern school, which is being built in two stages. Architects: Gollins, Melvin, Ward & Partners. General contractors: F. Shepherd Ltd. Contract price £187,000.

40. The Moat House School, Basildon, for 120 educationally retarded pupils; includes facilities for wood-

work and metalwork for boys, and cookery and needlecraft for girls. Designed for the Essex County Council by the County Architect's Department. County architect: H. Conolly. General contractor: Barvis Partners Ltd. Contract price: £40,000.

41. A high school at Shipston-on-Stour, designed by architects, Surman, Kelly & Surman in association with G. R. Barnsley, Warwickshire county architect. General contractors: Wheeler & Mansell Ltd. Contract price: £99,346.

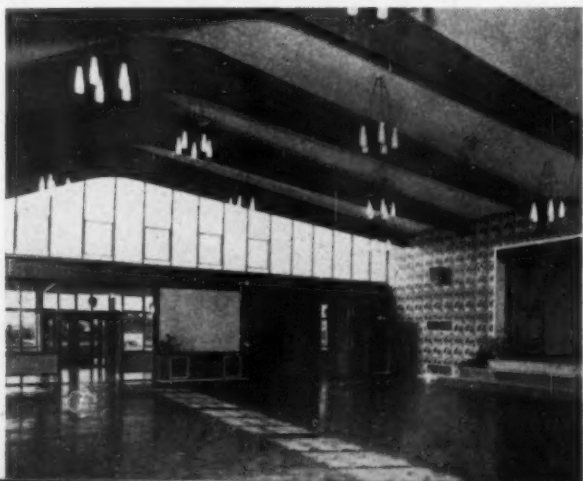
42. Ecclesbourne Two-form Entry Grammar School, Duffield, for the Derbyshire County Council is planned in four single-storey blocks. It has been designed by the County Archi-

tect's Department. F. Hamer Crossley, county architect. General contractors: J. H. Fryer Ltd. Contract price: £128,000.

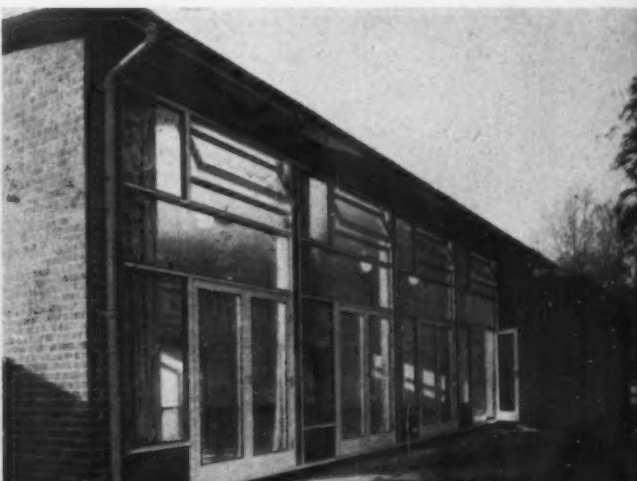
43. An interior view of the assembly hall for Westgate County Secondary School, Cippenham, for Bucks County Council, designed by the County Architect's Department. F. B. Pooley, county architect. General contractors: J. M. Jones & Sons Ltd. Contract price: £141,674.

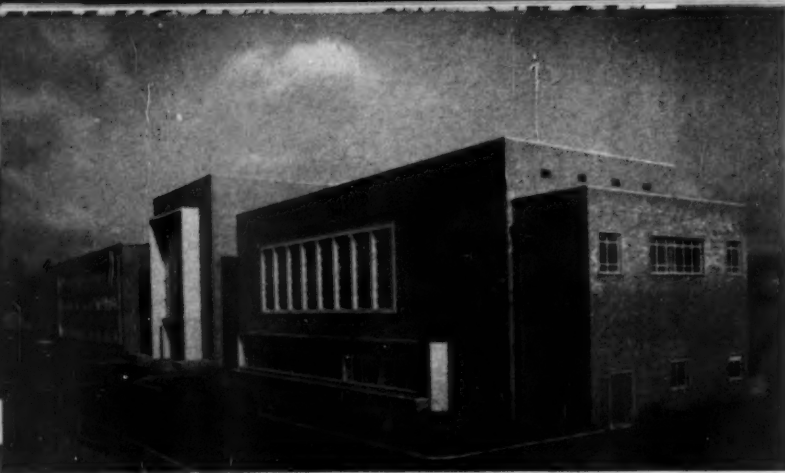
44. Main elevation of the assembly hall for Penn Street C.E. School, for the Bucks County Council, designed by the County Architect's Department. F. B. Pooley, county architect. General contractors: A. G. Simmons (Builders) Ltd. Contract price: £9,998.

43

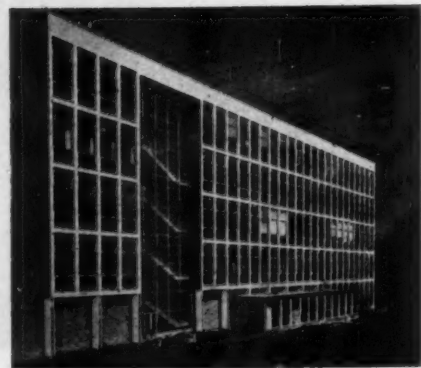


44





45



46

45. Departments of Science, Metallurgy and Engineering at Newport Technical College. Architects: Sir Percy Thomas & Son. General contractors: The Demolition and Construction Co. Ltd. Contract price: £400,000.

46. The second instalment of the College of Technology, Oxford. Architect: E. G. Chandler, city architect and planning officer. General contractors: Lavender, McMillan (Contractors) Ltd. Contract price: £329,298.

47. Salford College of Advanced Technology for Lancashire County Council, designed in two phases for 2,788 students. Contract price for both phases £1,050,543. Architect to the governors: G. Noel Hill (lately county architect). General contractors: John Turner & Sons (Preston) Ltd.

48. Preston Science School Extension, Malvern College. Architects: Hammett & Norton. General contractors: Thomas Broad Ltd. Contract price: £18,500.

49. Slough Secondary Technical School, built in 15 months for the Bucks County Council. County architect: F. B. Pooley. General contractors: Y. J. Lovell & Son Ltd. Contract price: £264,591.

50. Additions to existing premises for Technical High School, Portsmouth. City architect: F. Mellor. General contractors: John Hunt Ltd. Contract price: £200,000.



47



48

## TECHNICAL SCHOOLS



49



50



Architects: T. P. Bennett & Son. Contractors: Taylor Woodrow Construction Ltd.

Over 5,000 sq. yds. of Marleyflex floor tiles were used on all 6 floors of the new Western House building for the Taylor Woodrow Group.

**MARLEY**

SEVENOAKS • KENT • SEVENOAKS 55255 • LONDON SHOWROOMS: 251 TOTTENHAM COURT ROAD, W.1



F/9/1





## "The hares didn't go that way, Tomlinson"

"Sorry, sir, I was just seeing how Boots new road is coming on."

"Boots new road?"

"Yes, sir, Boots are constructing it. You remember Boots, sir — they're the people who built the new school library last year. And jolly quick they were about it, too. Actually, sir, you come across them all over the place these days, sir — building new factories and

bridges and reservoirs and housing estates and hospitals, and laying railway sidings. Just about everything you can think of, sir. I expect they get so much to do because they're such jolly quick workers. Don't you, sir?"

"If you'd use a little less breath for talking and a little more for running, Tomlinson, we might possibly get back to school before the rest of the hounds finish up the crumpets."

## Henry Boot

# HB

HOUSING ESTATES • RAILWAYS • WATER DISTRIBUTION SCHEMES  
ROADS • SOIL STABILISATION • BUILDING PROJECTS OF EVERY DESCRIPTION

HENRY BOOT & SONS LTD., BANNER CROSS HALL, SHEFFIELD 11. TELEPHONE: 54551  
LONDON: 10 The Boltons, London, S.W.10. BIRMINGHAM: Pheasey Estate, Great Barr, Birmingham 22A  
GLASGOW: Baillieston, Lanarks. MANCHESTER: Atlantic Street, Broadheath, Altrincham  
LIVERPOOL: Heysham Road, Dunning's Bridge, Aintree, Liverpool, 10



OA/4684



1. Standard units for Tilgate Neighbourhood Centre shops, Crawley New Town. The shops comprise 18 standard units, an end shop for the Co-operative Society and a lock-up cobbler's shop. Highway requirements on road layout suggested the crescent form which faces almost due south. For maximum protection from low-angled sun, the maisonnettes are projected over a colonnade. Chief architect to the Development Corporation: H. S. Howgrave-Graham. General contractors: Y. J. Lovell & Son Ltd. Contract price: £136,000.

2. Broad Walk, the main shopping street, Harlow New Town. Consultant architect and town planner to the Development Corporation, Frederick Gibberd, executive architect, Victor Hamnett. Shops on right designed by J. Seymour Harris & Partners. General contractors: Sir Robert McAlpine & Son Ltd.

3. Part of the Pedestrian Way in the town centre, Bracknell. The way is flanked by single-storey shops, which are individually designed by the lessees and to the Corporation's approval. Chief architect to the Development Corporation: E. A. Feriby. General contractor: The Bunting Construction Co. Ltd. Contract price: £110,828.

4. Shops and maisonnettes for the Fordrough, for Birmingham Corporation. Colour has been used to a considerable extent on the buildings to help to give a cheerful atmosphere, which is appreciated by both traders and shoppers. Architects: Leonard J. Multon & Partner, in association with A. G. Sheppard Fidler, city architect. General contractors: George Stubbings Ltd. Contract price: £99,978.

5. Coventry Market which is designed with a car park over. City architect/planning officer: A. G. Ling. General contractors: William Moss & Sons Ltd. Contract price: £385,000.



## SHOPPING CENTRES



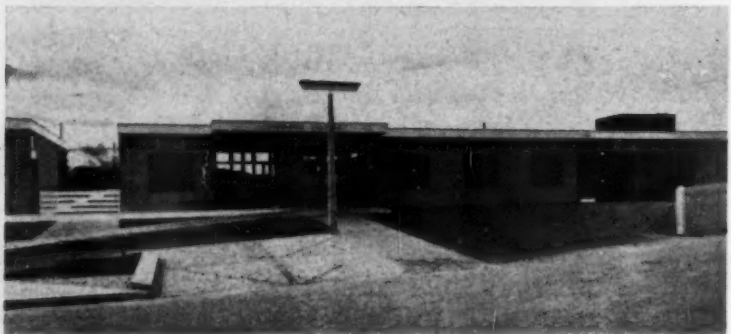
## TRANSPORT



1. An adaptation of the standard Shell-Mex and B.P. type of building construction for service stations has been used for this filling station on the Great North Road, Welwyn. The site is wedge-shaped and the construction traditional except for a pitched roof supported on lattice girders welded to vertical steel tees. Architects: Hughes & Bicknell in collaboration with Shell-Mex and B.P. General contractors: Stirton Partners Ltd., Stamford.

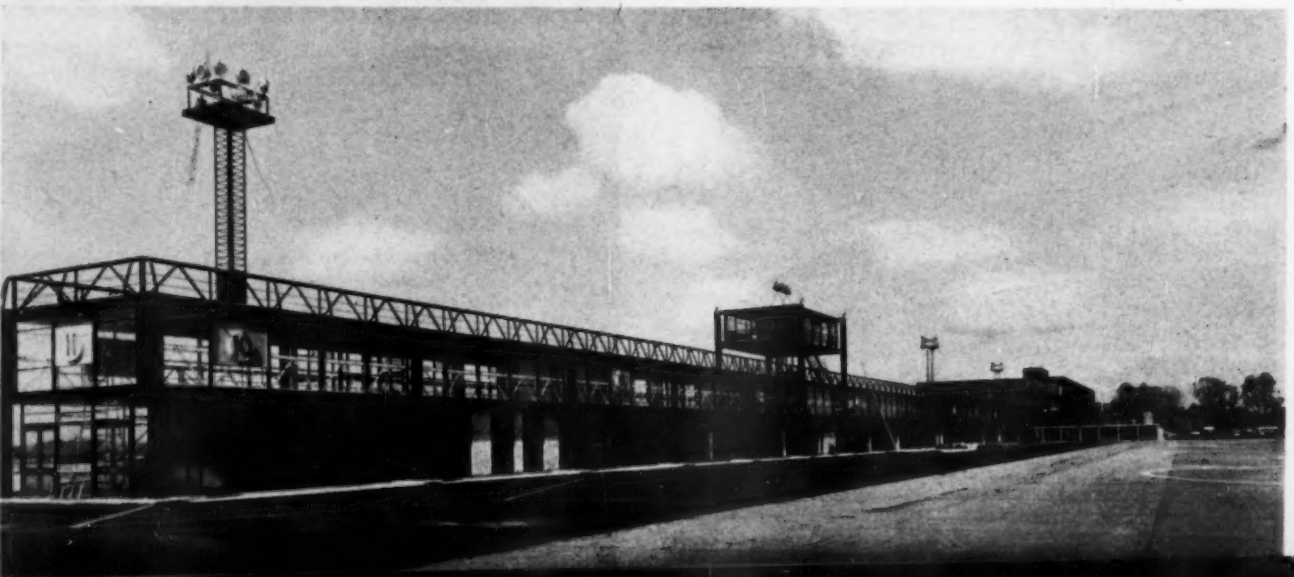


2. In this showroom and lubrication workshop at Ruxley Corner, Kent, the windows were sloped to reduce reflections. The centre sheet, of about 19ft long by 8ft high, is probably the largest ever to be glazed sloping. The workshop is sunk below ground so that any vehicle can be driven in over tracks and serviced from above and below. Architects: Hammett & Norton. General contractors: W. R. Oldham Ltd., Catford.



3. Whitland Station, 13 miles from Carmarthen, on the main line between Paddington and Fishguard, serves an important dairy-farming area. Designed and supervised by H. E. B. Cavanagh, Western Regional Architect, under the direction of M. G. R. Smith, Chief Civil Engineer, Western Region, British Railways. General contractors: Bennett Bros. Ltd., Swansea.

4. Gatwick Airport, Sussex, was illustrated in A. & B.N., June 25, 1958. Architects: Yorke, Rosenberg & Mardall. Consulting engineers: Frederick S. Snow & Partners. General contractors: Gilbert-Ash Ltd. Contract price: £7,500,000.



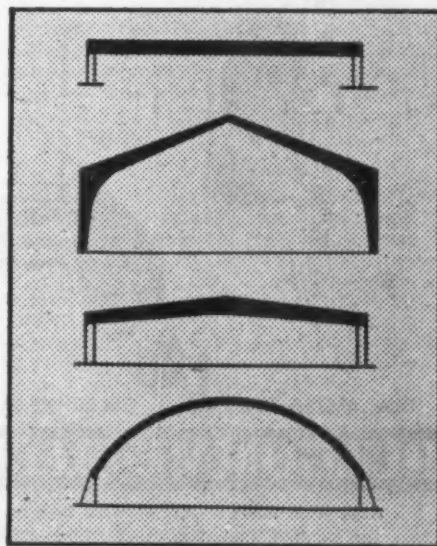


The Roman Catholic Church of St. Catherine, Gracemount, Edinburgh.  
*Architects: Charles Gray, L.R.I.B.A., F.R.I.A.S., of Edinburgh.*

## LAMINATED TIMBER ARCHES

### *By* KINGSTON

Glued laminated timber arches form a distinctive feature of the interior of this attractive church. They have a 30 ft span, 9 ft to eaves and 23 ft to apex. They are made of Columbian Pine, left in its natural colour which adds to their very graceful appearance. The whole of this church has been built with the Kingston form of Prefabricated Permanent Timber Construction and is just one of the many timber churches now being built by this method.



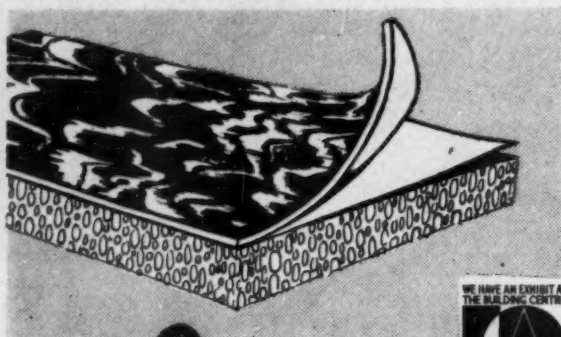
T.D.A. Approved Manufacturers

## KINGSTON LAMINATED TIMBER STRUCTURES

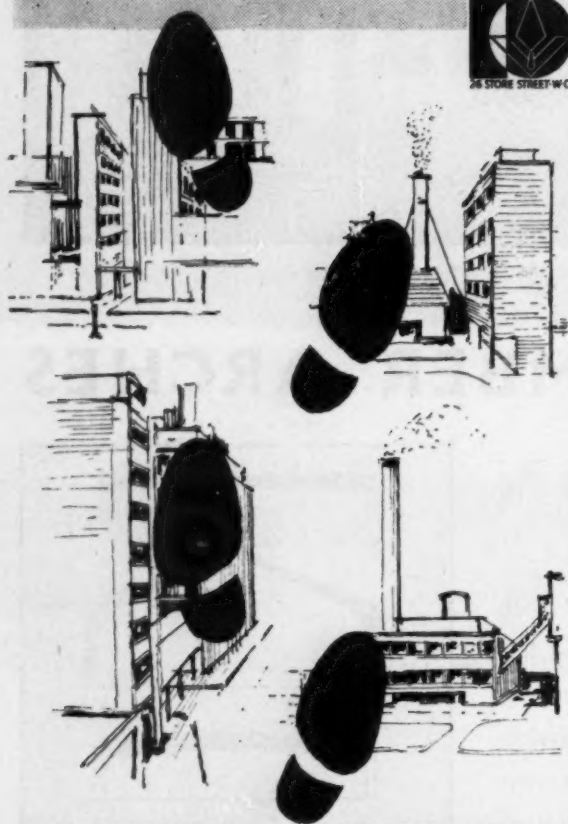
Kingston (Architectural Craftsmen) Limited, Minster Works, Hull. Tel: Hull 43121.



**More and more  
buildings will be using  
Bulgomme-Silence Flooring  
in 1959**



WE HAVE AN EXHIBIT AT  
THE BUILDING CENTRE  
**IO**  
26 STORE STREET-W.C.1



**TAKE A STEP TOWARDS BULGOMME FLOORING**

**BULGOMME-SILENCE**

This is the cellular rubber based flooring that can be used anywhere, in office, school, hotel or municipal building. Smooth, non-slip surface and completely sound absorbing, it will last for years even under the hardest wearing conditions. Send for the fully illustrated Bulgomme-Silence brochure to :

**BERNARD J. ARNULL**, United Kingdom Commercial Manager  
13 Montpellier Road, Ealing, London, W.5. Telephone: PERivale 6550

<b>C</b>	<b>O</b>	<b>M</b>
<b>P</b>	<b>A</b>	<b>C</b>
<b>T</b>	<b>O</b>	<b>M</b>

*for*

**THE MOST COMPLETE  
AND VERSATILE RANGE**

*of*

**DRY CONSTRUCTION  
DEMOUNTABLE PARTITIONS**

*and*

**ACOUSTICAL CORRECTION**

*backed by*

**SPECIALIST SERVICE  
FROM ORIGINAL ENQUIRY  
TO COMPLETION**

*May we send you full details ?*

**COMPACTOM**

*Partitioning and Acoustics Specialists*

**COMPACTOM LTD**

OXGATE LANE • CRICKLEWOOD • LONDON N.W.2  
GLADstone 6633



## LEGAL COMMENTARY

## A Crowded Time

By F. H. B. LAYFIELD

THE most remarkable thing about legislation in 1958 was that though important Acts were fairly few in number they represented radical changes in policy and administration. The *Rent Act, 1957*, dominated the scene because while it was passed in the previous year its full effect only began on October 6, 1958. Moreover, the *Landlord and Tenant (Temporary Provisions) Act, 1958*, made an important contribution to the transition from old law to new. The consolidation of housing law was, in theory, completed by the passage of the *Housing (Financial Provisions) Act, 1958*. Several steps were taken to implement the *Franks Committee* recommendations, in particular by *Tribunals and Inquiries Act, 1958*, which came into effect on the first of this month. Major changes in local government and its administration were heralded by the passing of the *Local Government Act, 1958*. Anticipating this year's legislation, two Bills which are likely to be important have been introduced, namely, the *House Purchase and Housing Bill*, intended to put the Government proposals for purchase of small houses into effect, and the *Landlord and Tenant (Furniture and Fittings) Bill*. The latter is a Private Member's Bill introduced by Mr. Mawby, M.P., and is designed to help to kill the racket in premiums and key money. Another major change in policy was embodied in the *Town and Country Planning Bill* designed to provide a new basis for compensation for compulsory purchase of land.

Those children of Statute, Regulations, have as usual made their appearance in generous numbers. Many of them have been concerned with the establishment of the new Local Government Commission and with the introduction of the new Local Government Grants. One set, the *Thermal Insulation (Industrial Buildings) Regulations, 1958*, was of direct importance to architects and builders. Equally important were changes in the building regulations.

## Buildings

Several alterations to existing requirements were made by the *Building (Safety, Health and Welfare) (Amendment) Regulations, 1958*. These changes related to the stability and use of lifting appliances, the use of cranes, safe working loads for cranes and various signals used in that connection.

The parent regulations were considered in one of several interesting building cases in the year. *Bailey v. Ayr Engineering, etc., Co. and Another* was concerned with regulation 90. There were two defendants, the first were the workman's employers and the second were another firm who were working on the building at the time of the workman's accident. The employees of the latter firm accidentally dislodged some masonry and this fell down a shaft injuring the plaintiff who was working there. It was admitted the second defendants were liable, but the further question was: should the injured man's employers have erected protection for him against "falling material"?

"Regulation 90 is designed to protect men, working at sites where men habitually do work, from what I may call falling materials and debris of that kind (i.e., waste materials, flying debris, etc.) and not from a collapse of the structure, whether it be a chimney, a roof, or (as in this case) part of a shaft. At the same time it seems to me that if, in fact, this plaintiff had been hit by a hammer or a loose brick falling down the shaft, the first defendants [his employers] would have been liable to him

in that they were in breach of that regulation. According to . . . this is a case where they cannot say they were not in breach of the regulation at all, because it was their duty to take steps to put up some umbrella, albeit an umbrella designed to prevent materials and debris and tools from falling down. But be that as it may . . . it was not the breach which caused the injuries in this case, but the fact that this block of masonry, something which is completely outside the regulations, fell in the way I have described."

Another important building case last year was that of *Gold v. Patman and Fotheringham*. In that case the building contractors undertook work under an R.I.B.A. contract. In the course of the work the contractors carried out certain piling operations on the instructions of the owner and his architect and this caused subsidence of adjoining properties. The building owner in due course, naturally, received a claim for damage from those whose properties had been damaged. The owner maintained that the contractors were in breach of contract because, though they had insured themselves against any such claims from adjoining owners they had failed to insure him against such claims and he said they were required by the contract to do so.

The Court rejected the owner's claim and said that they considered that

"There is a contrast [in the R.I.B.A. contract] between policies in which the contractor is insuring himself, no doubt for the additional security of the owner, and cases where the contractor is insuring in the joint names of the owner and himself. Thus when the contract requires the owner [described in the contract as the employer] to be insured by the contractor it is expressly so provided."

Accordingly, if an employer, owner or architect desires the contractor to insure both employer and contractor he may be well advised to require insurance in their joint names with a company approved by the architect. Moreover, the court pointed out that in such cases it is also usual for the contractor to be required to deposit the policies and premium receipts with the architect.

## Housing

Apart from the legislative changes already mentioned, alterations in inquiry procedure have been the main feature of the year. In February last the Minister of Housing issued *Circular 9/58* in which he outlined changes it was proposed forthwith to introduce as a result of the *Franks Committee* recommendations. The new procedure applied to clearance and compulsory purchase orders made under the Housing Acts. There were three main improvements thereby introduced. These were:

(a) a requirement that the local authority concerned supply the parties affected with a clear statement of the authority's case;

(b) a limited but important right to insist on the presence of a witness from any Government department which expresses positive views on the subject matter of the inquiry; and, lastly,

(c) a right to have a copy of the inspector's report.

In two cases during last year differential rent schemes introduced by local authorities were discussed. In *Batharon R.D.C. v. Carlile* the Courts applied the general law to a review of rents carried out by the R.D.C. under their Housing Act powers. The Court held that such a review

## A Crowded Time

does *not* make a tenant liable thereby for an increased rent. In the case of periodic tenancies (e.g., from week to week) the right of the tenant is to enter into and remain in occupation until he receives notice to quit, and until the landlord does something positive to exercise his right to end the tenancy the original tenancy continues unaltered. The Court said that there was nothing in the Housing Acts which empowered a local authority to override the normal rights and obligations of the parties under their contract. The local authority's powers could only be exercised in accordance with the general law of the land: that required an existing tenancy to be lawfully and properly ended by a notice to quit before a new tenancy at a higher rent could be created.

Somewhat similar views were expressed in *Havant and Waterloo U.D.C. v Norum*. The facts in the case were fairly complex but it was interesting mainly for the observations of Lord Evershed, who said,

"It would, at best, need extremely clear and strong language to enable a landlord *ex post facto*, and without the tenant's assent, to alter the rent or contractual sum in consideration of which the tenant was entitled to enjoy the premises..."

Local authorities may, however, find some comfort in the judgment of the Lord Chief Justice, Lord Parker, in *Goddard v Minister of Housing and Local Government*. The Brentford and Chiswick Borough Council had declared two clearance areas. The council, at that time, had before them the reports of the housing and finance committees and they passed a resolution adopting the reports as minutes. In due course, five compulsory purchase orders were made, and confirmed by the Minister. The appellant challenged these orders on the ground that the council had not taken proper steps (under Section 42 of the Housing Act, 1957) to satisfy itself that its resources were sufficient to carry the resolution into effect.

Examining the question whether the financial aspect had been properly considered Lord Parker observed:

"The chairman of the Housing Committee said that it was considered by that committee, and that the council, in passing the resolution, were so advised. True, they may not have had specific figures, but it is very difficult to believe that they could have specific figures with any accuracy. Nobody knows what the compensation payable is going to amount to, especially when one considers questions such as disturbance; and even if redevelopment costs are going to be considered nobody knows what they are likely to be in this era of rising prices.

"It seems to me that it is perfectly competent for a council, without having specific figures, but with the assistance of its experts, to say: this, quite clearly from our own knowledge, is a matter which plainly comes within the resources of this council; and the resources there clearly mean not merely cash resources, but their credit in the world, their ability to borrow, and all such matters."

Consequently the council and the minister were upheld.

### Local Government

There are many pitfalls for local councillors but one which is likely to come more frequently to mind, since *Rands v Oldroyd* was decided, is that of speaking or voting where they may have an interest in the subject matter. Mr. Rands was a councillor and was also the managing director of a local building firm. His firm had, in the past, undertaken contracts for the council, but had submitted no tender since 1954. In 1956, because of his position on the council, Mr. Rands had decided that his firm would not in future tender for council work and they had not done so. The council in September, 1957, discussed expanding the borough engineer's departmental staff so as to enable him himself to tender for council work in competition with outside firms. Mr. Rands spoke against the proposal pointing out certain difficulties and he voted in favour of an amended resolution authorizing the engineer to carry on as before.

The court held that Mr. Rands had committed an

Night-time view of the new illuminated clock which surmounts Babcock House, over Euston Square Underground Station, Euston Road, London, the eight-storey headquarters of Babcock & Wilcox Ltd. This neon-lit clock measures 12ft in dia. and stands 110ft above street level. The hands are in white, to contrast with the hour motifs, which are in red. The clock has been erected within the lift tower on top of the building, and is operated by a weight-driven, electrically-wound, tower-type clock movement, mounted on a rigid steel stand with interconnecting couplings and precision-bevelled gears. Manufacture and installation was by Franco-British Electrical Co. Ltd.



# 'HARCO' Rainwater Goods



**IN PRESSED STEEL  
TO B.S. 1091 : 1946**

Hot-dip galvanized after manufacture by the 'Harco' process, these products are long lasting, easy to handle and will not fracture.

*The full range includes:*

**H. R. GUTTERS**

**O. G. GUTTERS**

**ANGLES**

**NOZZLES**

**STOP ENDS**

**BRACKETS**

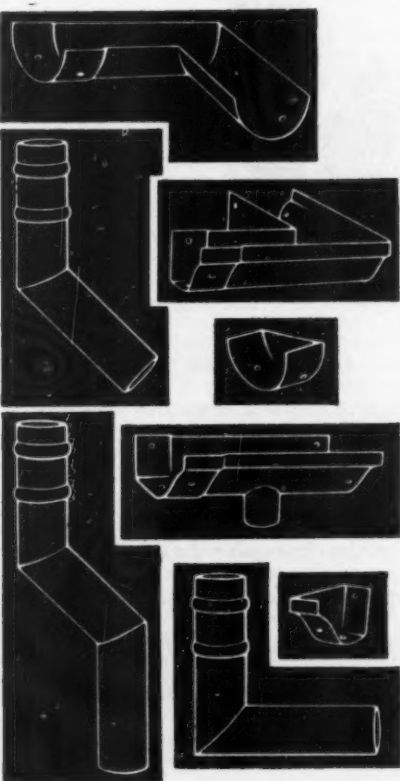
**DOWN PIPES**

**ELBOWS**

**SHOES**

**OFFSETS**

**HEADS**



**HARVEY**

*Full details in List No. A793, available on request.*

G. A. HARVEY & CO. (LONDON) LTD., WOOLWICH ROAD, LONDON, S.E.7. GREENWICH 3232 (22 lines)



lay any surface with safety

# VENTROT

prevents  
rising dampness

through solid sub-floors

**Ventrot** conforms to the requirements of the Building Research Station Digests, No. 1—"THE DESIGN OF TIMBER FLOORS TO PREVENT DRY ROT" and No. 86—"DAMP-PROOF TREATMENT FOR SOLID FLOORS", and is specified widely by County and Municipal Authorities throughout the country

*specify*

# VENTROT

*membrane D.P.C*



## British Bitumen Emulsions Ltd.

Dundee Road, Trading Estate, Slough, Bucks.	Tel.: Slough 21261/6
20 Maukinfauld Road, Glasgow, E.2.	Tel.: Bridgeton 2791
Deeside, Saltney, Near Chester.	Tel.: Chester 23128
91a Lower Ashley Road, Bristol, 2.	Tel.: Bristol 51380

A.B.N.V.3

"Take it from  
me—

There are a  
hundred points  
of view"...



"What I really mean is that I live in a block of flats with more than a hundred T.V. sets in use—with only ONE aerial!"

Installations like this have been carried out by this organisation throughout the country, and we are always pleased to advise and assist with any problem connected with Multi-point T.V. Why not phone or write to us?



ANTIFERENCE INSTALLATIONS LTD

19 Dunraven Street, Park Lane, London, W.1

Telephone: GROsvenor 1061/2

Midlands: 39 Holland Street, Sutton Coldfield. Phone: 5354.

North: 81 Medlock Street, Liverpool, 4. Phone: Bootle 1737.

DHB/6688



## A Crowded Time

offence under S.76 of the Local Government Act, 1933. He was held to have had an indirect pecuniary interest in the matter, because though his company had decided not to tender, it could at any time reverse its decision and should it do so, it would be in competition with the Borough Engineer and hence had an interest in the matter. The court pointed out that though a technical offence had been committed the councillor concerned had behaved in an open and honourable manner.

One-way streets are fashionable in these days and local authorities often think to ease traffic congestion by creating such streets. To do so an order is normally made by the Minister of Transport under Section 46 of the Road Traffic Act, 1930, on the application of the local authority concerned. Poole Corporation made such an application and were refused. They thereafter made an order of their own, intended to last for six months, under Section 21 of the *Town Police Clauses Act, 1847*. That section authorizes such orders to be made.

"In all times of public processions, rejoicing or illuminations, and in any case when the streets are thronged or liable to be obstructed. . . ."

Owners of property on the route objected and hence the case of *Brownsea Haven Properties Ltd. v Poole Corporation*. The Court of Appeal held that this section could not be used to justify a six months' order. Lord Justice Ormerod said:

"Public processions, rejoicing or illuminations may well be cases when the police require to have powers to regulate the traffic, for the very good reason that they are cases when the streets are liable to be thronged and obstructed. In my view the type of case with which the section is intended to deal is something in the nature of an occasion when the streets, for reasons other than the normal day-to-day usage, are liable to contain more than the usual amount of traffic. Such an occasion might well, of course, last more than a single day, but could not, in my view, be held to cover a substantial part of the year when the press of traffic, though heavy and liable from time to time, is due to no more unusual a cause than the advent of summer."

Leave has been given to appeal to the House of Lords.

## Town and Country Planning

The year past has seen several important decisions on the Planning Acts. Probably the most significant and certainly the most publicized has been the case of the Egham caravanners. The facts of that case are too well known to need extensive repetition but, in a nutshell, land was repeatedly used to station caravans without any grant of planning permission. In an endeavour to plug the numerous and unfortunate holes in enforcement procedure the Attorney-General was induced to seek for an injunction to restrain the defendants in *Attorney-General v Smith* from using land in the Egham U.D.C. without previous planning permission.

Speaking of the Town and Country Planning Act, 1949, Lord Goddard said

"It is obviously an Act which is designed for the public good and can be used for great public advantage. Therefore if a defendant shows by his conduct that he intends to avoid the Act and act in breach of it so far as he can and for as long as he can, then the Attorney-General is entitled to an injunction."

Referring to the course of conduct pursued by these defendants he continued

"That shows an intention by the defendants, who have been refused planning permission time and time again, to act in defiance of the Town and Country Act, and to use its machinery not for the purpose of making genuine applications for permission but for the purposes of delay. In the first instance [i.e., on the first occasion] I would

not say that the first defendant was not perfectly entitled to appeal to the minister but when he got the result of the appeal the defendant knew quite well that the minister was upholding the policy which the council were evidently following—that is to say, not to permit the use of land for caravans within that area because it was in the Green Belt. The minister upheld that policy and yet the defendants went on in this way.

"I think, therefore, that this is a case in which I have jurisdiction to grant an injunction; and if I have such jurisdiction I most certainly, as a matter of discretion, will grant it."

Two cases which were decided against local planning authorities deserve mention. The first of these was *Hamilton v West Sussex County Council*. The planning authority here granted outline permission on an application concerning land at "Court Farm" being "part of approximately 40 acres". The application was accompanied by a plan which showed an outline of a cottage with a path leading to it from a private road and marked "new replacement cottage here". The permission was subject to certain minor reservations. About 18 months later detailed application was made. This asked for permission to erect a cottage and garage in accordance with detailed plans that were attached and which showed the new cottage on a site about 400 yards from that shown on the outline application and with a curved gravel path leading from the cottage to the private road. The authority refused permission, saying it was contrary to the planning proposals for the area. The owner claimed that the outline permission was valid and as no reference had been made to the limitations originally mentioned the plan should be deemed to have been approved. The authority alleged that the application was an entirely fresh one and had been considered and rejected on its merits.

Mr. Justice Donovan held that the land, the subject of the original application and grant, included the whole of Court Farm and not merely the land on which the replacement cottage had originally been sited. It followed that the second application was not a fresh one and therefore the authority's reasons for refusal could not be sustained. He said that as the local planning authority had considered the matters reserved in the outline permission and apparently found nothing valid to which to object they were not entitled now to consider them again (which they asked to be allowed to do) and the plaintiff was entitled to proceed.

The Ministry of Town and Country Planning, as it then was, advised local authorities in Circular 62 of 1948 that when permission was given for houses for agricultural workers it might be desirable to impose a condition limiting occupation to members of the agricultural population. A suggested wording was given.

In Buckinghamshire they appeared to have acted upon that advice for they imposed on the grant of permission for certain houses a condition worded in similar terms. The validity of the condition was tested in *Fawcett Properties Limited v Buckinghamshire County Council*. The condition read

"The occupation of the house shall be limited to persons whose employment or latest employment is or was employment in agriculture as defined by Section 119(1) of the Town and Country Planning Act, 1947, or in forestry, or in an industry mainly dependent upon agriculture and including also the dependants of such persons aforesaid."

Mr. Justice Roxburgh considered that the prescribed categories of permissible occupants under this condition were so wide and would involve such extensive inquiry as to their extent as to make the condition far wider than anything which could properly be related to local planning and hence the condition was *ultra vires* and of no effect. The word "local" is important because the Judge remarked that the condition might well cover persons retired from agriculture in any part of the Commonwealth; that, he said, might seem "very unfair on persons now residing in Chalfont St. Giles who are not engaged in any of the permitted occupations".

## A Crowded Time

Speaking of the condition, the Judge concluded that "It is almost impossible to imagine any town planning purpose to which it can be related, and if it can be so related, it is, in my judgment, grossly unfair to expect the landlord and his potential tenants of this cottage to trouble over a problem of that complexity and magnitude."

As with housing so the major change during the year in the field of planning has been the improvements in procedure introduced by *Circular 9/58*. That circular applied only to inquiries but similar improvements in Development Plan procedure were the subject of *Circular 51/58* which was published in September. The new towns were also under discussion in the year. The *New Towns Act, 1958*, authorized an increase in the amount of money that the Treasury might advance to development corporations up to £300 million. Also during the year the Minister of Housing indicated the Government's intention to transfer the assets of new towns, on completion, to a new body formed for that purpose.

Finally, foreshadowing the current year, the last session saw the introduction of the new *Town and Country Planning Bill*. The main provision of the Bill is that in future, very broadly speaking, market values will be paid for land compulsorily acquired by public authorities. This arrangement is in effect to come into force as from October 29 last. In *Circular 58/58* the Ministry of Housing have given guidance on the course to be followed where sales of land take place between that date and the time when the Bill becomes law. The Bill also contains a number of miscellaneous provisions, one of which will give a limited right of appeal to the courts on points of law from planning appeals.

### Occupier's Liabilities

As usual the year has seen a good many decisions which deal with the liability of occupiers for the safety of visitors to, and employees on, their premises. Yet few can have been more unusual and entertaining than *Sayers v Harlow U.D.C.* This council, vicariously of course, locked the plaintiff in a cubicle in one of their public lavatories. She, not unreasonably, made efforts to escape and in her attempts she placed her foot upon that unstable article, a toilet roll, described by the court as "a fixture of a somewhat slender kind". As a result she fell and was injured; she sued the council for damages. The Court agreed that council were in breach of their duty of care owed to her; the only question was whether the damage was a reasonable and natural consequence of the wrongful act or omission.

The Court thought the inconvenience of being incarcerated in a lavatory to be appreciable, and that she acted quite reasonably in attempting to escape but it also thought that she had been guilty of some contributory negligence in the manner in which she carried out that operation and held the council to be liable for three-quarters of the damage.

An argument of a somewhat different kind arose in *Wells v Cooper*. The defendant was the owner of a house and an amateur carpenter of some experience. Some months before the case he fitted a new door handle to his back door. As it happened the screws he used were too short but he did not know this. Later on, the fishmonger, making a delivery at the house, came into the house for a cup of tea. On leaving he pulled the door to by its handle which came off in his hand, he over-balanced, fell and injured himself.

The fishmonger sued the defendant for the breach of his duty of care due to those on his premises. The Court of Appeal agreed that a duty of care was owed. They thought that the defendant was entitled to undertake such

trifling domestic replacements, as he was a competent amateur carpenter and, provided he showed reasonable skill in so doing, then he properly discharged his duty. However, the Court was at pains to point out that the degree of skill needed by the householder was not that of a professional carpenter, as the latter's work was to be judged by a higher standard. There was, it was said, no need for a householder to employ a professional to do such simple jobs, but

"No doubt some kinds of work involve such highly specialized skill and knowledge, and create such serious dangers if not properly done, that an ordinary occupier owing a duty of care to others in regard to the safety of premises would fail in that duty if he undertook such work himself instead of employing experts to do it for him."

The question then arises, suppose the occupier does engage qualified people to do work and danger still results, is the occupier liable? This was the problem in *Green v Fibre Glass Ltd.*, where a person properly on the defendant's premises was severely burned. The burns were due to faulty wiring of an electric switch. The occupiers had employed reputable expert electrical contractors and had no reason to suppose that there was anything wrong. Mr. Justice Salmon pointed out that an occupier's duty "is an obligation imposed by law to take reasonable care". Each case must be examined to see if that has been done, but,

"If as in the present case... some act is to be performed which calls for special knowledge and experience which the invitor cannot be expected to possess then, in my judgment, he fulfils his duty of care as a prudent man by employing a qualified and reputable expert to do the act."

It should be noted that expert was an independent contractor; if the work is done by a servant then the occupier, as his employer, will normally be liable for his servant's acts or negligence.

Two other cases of great importance in this field were considered during the year, namely, *Davie v New Marton Board Mills* and *Walsh v Holst and Co. Ltd.* Each of these concerned the duty of care, but as each is to go to the House of Lords it will be sufficient merely to mention them at this stage.

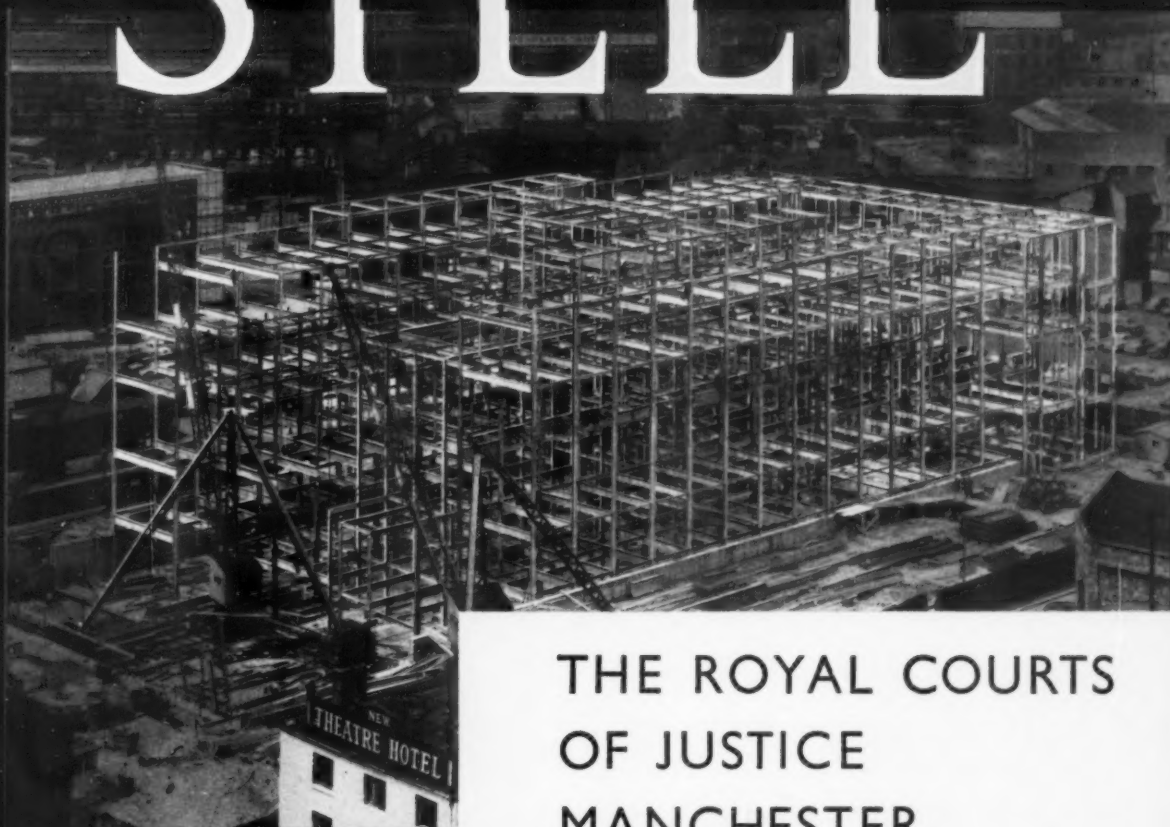
Lifts are such a common feature of modern buildings that *Blakely v C and H Clothing Co.* is of unusual interest. The plaintiff was about 15 years old and was employed by a firm who occupied two floors of a three-storey building. There was a lift which was under the control of the building owners and was supplied for the use of the occupier's workman. One day, the plaintiff, having used the lift in the course of his employment, left it and shut the gates. Thinking that the inner gate was not shut he put his hand through the outer gate in order to reach the inner gate and close it properly. As he did so the lift moved and injured his hand, which was subsequently amputated.

The Judge held that the employers were blameless. The building owners he considered were not in breach of their common law duty but were in breach of their statutory duty under the *Factories Act, 1937*. Section 22 of that Act imposes an absolute obligation to provide the lift with gates of a character which, when shut, would prevent people from coming into contact with the lift when moving. The Judge thought the boy was one-third to blame for the accident and therefore gave judgment against the building owners for £3,300.

### Restrictive Trade Practices

Finally, during the year the Restrictive Practices Court has come to life and has heard two cases, namely, that of *Re Chemists' Federation Agreement* and *Yarn Spinners' Association Agreement*. The judgment in the latter case is still to be delivered. Seven more cases have had hearing dates fixed and the Courts list is now full until well into June.

# STEEL



## THE ROYAL COURTS OF JUSTICE MANCHESTER

*Architect:*

*Leonard C. Howitt,*

*M.Arch, Dip.T.P., D.P.A., F.R.I.B.A., M.T.P.I.*

*City Architect, Manchester*



**B.C.S.A. BRITISH CONSTRUCTIONAL  
STEELWORK ASSOCIATION**

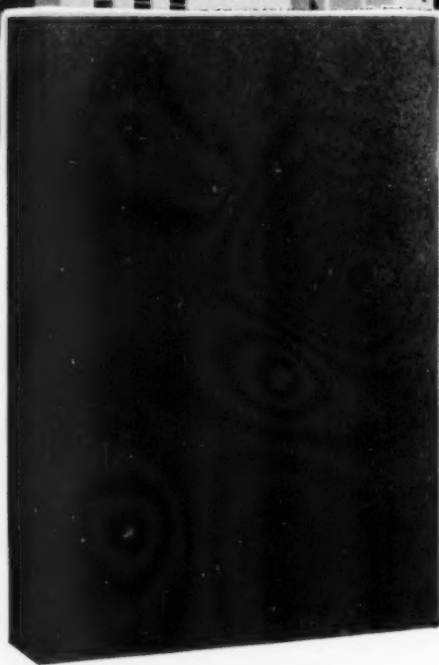
Artillery House, Artillery Row, Westminster, S.W.1





*Architects: Norman & Dawbarn.*

Broughton Moor Green Stone is ideally suited for use both as internal and external facing, and remains sound for centuries. It can be supplied in a variety of beautiful finishes, including frame sawn, sanded, fine rubbed or naturally riven. It was these characteristics which caused it to be chosen for the Roderic Hill Building, Imperial College. Broughton Moor Light Sea Green Slate with a finely rubbed finish was used as external cladding between windows on the above contract and the same slate with a frame sawn finish was used for the plinth course.



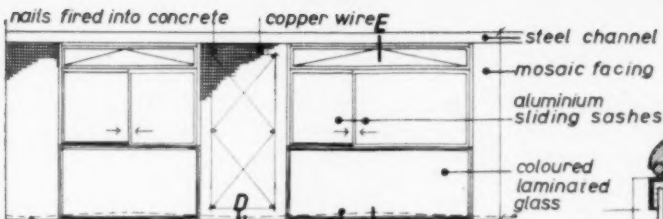
*A section of Broughton Moor Stone, showing the highly polished finish. Finely rubbed, naturally riven, sanded and frame sawn finishes are also supplied, and technical pamphlets showing typical methods of fixing are available, as follows: 1. Flooring. 2. Facings. 3. Coping. 4. Cills. 5. Riven Face Slabs.*

## The BROUGHTON MOOR Green Slate Quarries Ltd

CONISTON • THE LAKE DISTRICT • LANCASHIRE

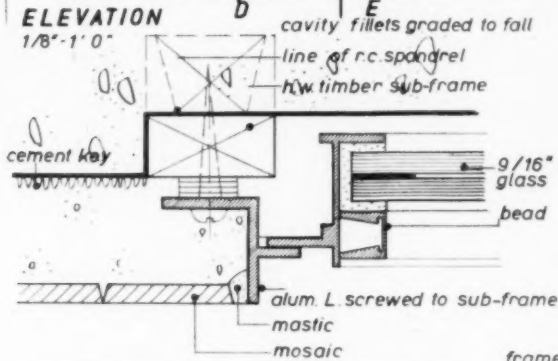
Telephone: Coniston 225



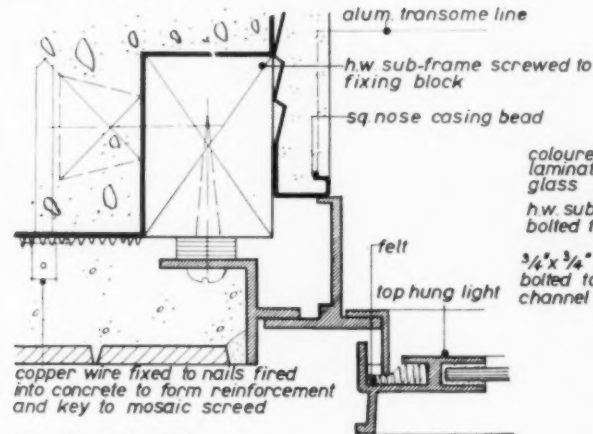


ELEVATION

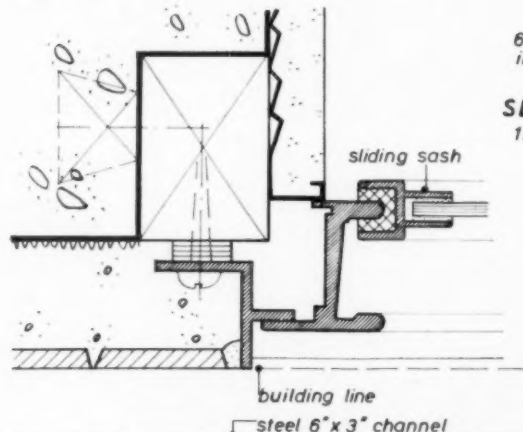
1/8" - 1' 0"



PLAN ON A-A



PLAN ON B-B



PLAN ON C-C

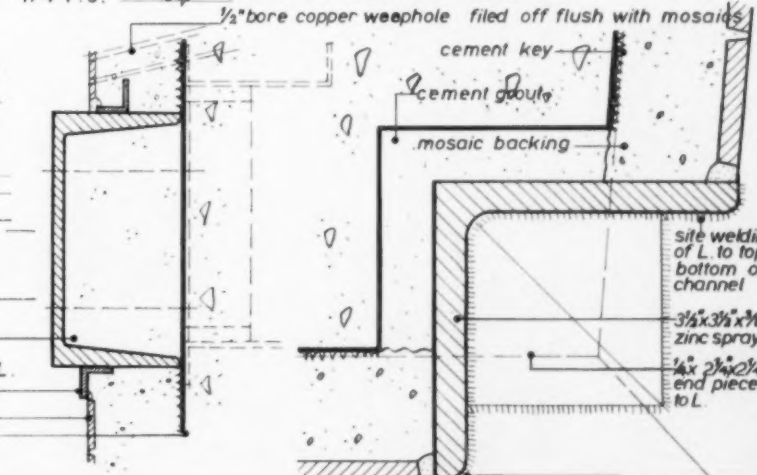
1/2 F.S.

SECTION D-D

1/4 F.S.

SECTION E-E

1/4 F.S.



CORNER PLAN

1/2 F.S.



The reinforced concrete columns to the Washington Hotel in Curzon Street are faced with mosaic tiles, the white tiles being in glazed ceramic while the gold inserts are vitreous mosaic. The exposed channel and angle sections were sand-blasted, zinc-sprayed and finished with two undercoats and a black gloss paint. The laminated glass panels are marine blue. The aluminium windows are unpainted, having been rubbed down with pumice. The architects are Bronek Katz and Reginald Vaughan



**Way out in front**

**TIMBERIT**  
**hard board**

made from wood - better than wood

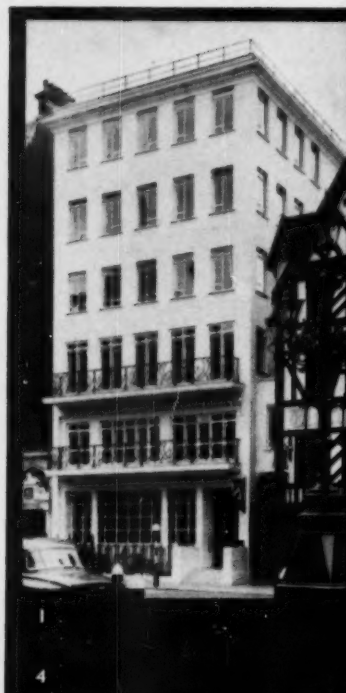
Write for samples and names of your local stockists to:

**THOMAS SIMSON & COMPANY LIMITED**

6 Great Winchester Street, London, E.C.2.

Manufactured by: THE AFRICAN BUILDING BOARD CORPORATION LIMITED

P.O. Box 671, Durban, South Africa.



1 Law Accident Insurance Society Ltd.,  
215 Strand, London, W.C.2  
Architect: R. Theodore Beck, F.R.I.B.A.

2 Saxone, Leicester  
Architects: Symington Prince & Pike, F.R.I.B.A.  
Michael H. Egan, F.R.I.B.A.

3 Decca House, Albert Embankment,  
London, S.E.11  
Architects: Grace & Farmer, F.R.I.B.A.

4 Tattersalls, Knightsbridge, London, S.W.1  
Architects: Stone, Toms & Partners, F.R.I.B.A.

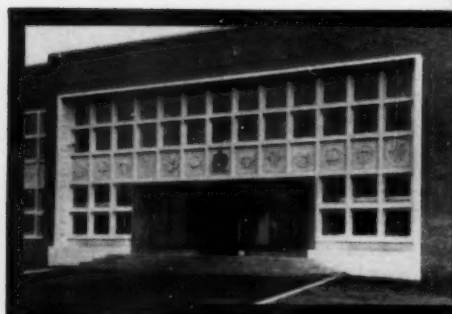
5 72 Dean Street, London, W.1.  
Architect: T. P. H. & E. Braddock, F.R.I.B.A.

6 Austin Motors Co. Ltd.,  
Exhibition Hall, Longbridge  
Architects: Harry W. Weedon, F.R.I.B.A. & Partner

7 Swansea University, Natural Sciences Building  
Architects:  
Sir Percy Thomas & Son, P.P.R.I.B.A., A.R.I.B.A.

## EMPIRE STONE

was used in these buildings



**Empire Stone Co. Ltd.**

Thanet House,  
231 Strand, London, W.C.2  
Berkeley House, Birmingham 16  
Narborough, Nr. Leicester  
26 Greek Street, Stockport



Notes below give basic data of contracts open under locality and authority which are in a bold type. References indicate: (a) type of work (b) address for application. Where no town is stated in the

## DENNISON KETT & CO. LTD.

## ROLLING SHUTTERS

COLLAPSIBLE GATES  
& GRILLES :: IRON DOORS  
STAIRCASES :: LIFTS

KENOVAL HOUSE  
226-230 FARMERS ROAD  
LONDON S.E.5. Phone: RELiance 4266

HAVE YOU DECIDED THAT  
POLISHED HARDWOOD  
IS THE ONLY MATERIAL  
FOR YOUR HANDRAILS  
YET?

When you do,  
consult the specialists  
**F. J. LEWIS LTD.**

Handrail House, 65 Maygrove Road  
Kilburn, London, N.W.6  
MAIDA VALE 0871/5



### TWO-WAY INTER-COMS

Install your own system with our complete ready-to-use 2-way inter-com kit. For £12.12.0, carriage free, you will get 2 telephones, 100ft. cable and batteries. Brand new, the telephones are moulded in shatterproof plastic, each instrument being self-contained with built-in buzzer and push-button system. They work over unlimited distances indoor or outdoor. The cable meets rigid G.P.O. standards and the batteries are Ever Ready Long Life. Nothing for you to do but connect 4 wires to screw terminals. This is a quality product and fully guaranteed for 12 months. (Extra cable 2d. per foot.) Send your instructions or write for brochure.

**D.J.P. TELEPHONES LIMITED**  
Dept. A.B., 96 Great Titchfield St., London, W.1.  
LANGHAM 5153

### ASPHALT PERMANITE LIMITED

455 OLD FORD ROAD  
LONDON, E3

BIRMINGHAM MANCHESTER

## CONTRACT • NEWS •

OPEN

### BUILDING

**ADMINISTRATIVE COUNTY OF LEICESTER.** (a) Erection of Braunstone Secondary School. (b) County Architect, 123 London Road, Leicester, to be considered for inclusion in a selected list of contractors. (d) January 30. (e) March 26.

**ALDERSHOT.** Erection of All Hallows R.C. Secondary School, Aldershot, for The Portsmouth Roman Catholic Diocesan Trustees. (b) Messrs. Goodhart-Rendel, Broadbent & Curtis, 22 Whitehall, London, S.W.1. (c) 2gn. (d) January 30.

**BIRKENHEAD B.C.** (a) Alterations and additions to Park High School for Girls, Park Road South, Birkenhead. (b) Mr. Donald Bradshaw, Queen Insurance Buildings, Dale Street, Liverpool, 2. (c) 2gn. (e) February 11.

**BIRMINGHAM C.C.** Contract No. 675. (a) Firm price tenders for the erection of 22 shops with 31 dwellings over, Meadway, Kent Moat estate. (b) City Architect, Civic Centre, Birmingham, 1. (c) 2gn. (d) January 30. (e) March 2.

**BLYTH B.C.** (a) 22 flats and maisonettes at Delaval Terrace, Housing Scheme 33. (b) Borough Engineer, Municipal Buildings, Seaforth Street, Blyth. (c) 2gn. (e) February 16.

**BRADFORD C.C.** (a) 75 dwellings and ten garages with necessary site works at The Bank, Thorpe Edge estate, Bradford. (b) City Engineer and Surveyor, Town Hall, Bradford. (c) 3gn. (e) February 10.

**BRISTOL C.C.** (a) Provision of cloaks, rest room and changing accommodation at Hannah More Secondary School. (b) Chief Education Officer, College Green, Bristol, 1. (c) 1gn.

**BUCKS C.C.** (a) Conversion of existing fire station into county branch library at Stony Stratford. (b) County Architect, County Offices, Aylesbury. (e) February 9.

**CARDIGANSHIRE C.C.** (a) (i) Erection of a new old people's home at Lampeter; (ii) extensions to the County Hall at Aberayron; (iii) extensions to Ardwyn Grammar School, Aberystwyth (new laboratories); and (iv) conversion of "Bryntirion" Tregaron, into a hospital for the chronic sick. (b) County Architect, County Hall, Aberayron, Cards. (c) 2gn each project. (e) February 23.

**CHELMSFORD B.C.** (a) New municipal offices, Council Chamber and assembly hall. (b) Town Clerk, Municipal Offices, Duke Street, Chelmsford, to be considered for inclusion in a selected list of contractors, giving evidence of previous experience of work executed of this nature and names of architects or others from whom references can be obtained. (d) February 9.

address it is the same as the locality given in the heading (c) deposit (d) last date of application (e) last date and time for submission of tenders. Full details of contracts marked \* are given in the advertisement section.



### WOODWORM & DRY ROT

Eradicate wood-destroying insects and fungi from roof and cellar timbers, flooring and joinery by means of

### WYKAMOL Wood Borer Insecticide RESKOL Dry Rot Fungicide

Write for full particulars of these completely effective materials and specialist survey and guaranteed treatment services. Pressure spray apparatus for the application of our materials is available for hire at nominal rates.

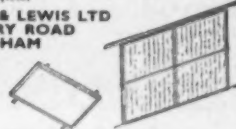
**RICHARDSON & STARLING LTD**  
(Dept. A.B.N.), 6 Southampton Place, W.C.1

### STANDARDISED SPECIALS from STOCK

No, not a contradiction of terms, but an announcement of the fact that we are now manufacturing an extensive range of Cas Ladders, Flat Wall Frames, Sliding Doors, etc., which are available through your Merchant. Write for Leaflets.

**FRANCIS & LEWIS LTD**  
PRESTBURY ROAD  
CHELTENHAM

Telephone  
53882



## CHAIRS OF SUPERIOR QUALITY

CHEAP Chairs for Canteens, British Restaurants, Halls, etc. Personal attention given to all Orders.

### Mealing Bros. Ltd.

Avenue Chair Works  
West End Road  
High Wycombe

Tel. Wycombe 499



Catalogue on application

**CRAWLEY U.C.** (a) 24 dwellings on land south of Brewer Road, Southgate, Crawley. (b) Council's Clerk, Robinson House, Robinson Road, Crawley, to be considered for inclusion in a selected list of contractors. (d) January 30.

**DARLINGTON B.C.** (a) 38 houses on Firth Moor site (stage 11). (b) Borough Architect, Central Buildings, Darlington, Durham. (c) Ign. (e) February 5.

**DARLINGTON B.C.** (a) 18 old people's dwellings—two at Nickstream Lane site, eight at Branksome site, four at Firth Moor site and four at Haughton North site. (b) Borough Architect, Central Buildings, Darlington, Co. Durham. (c) Ign. (e) February 5.

**DEVON C.C.** (a) Erection of kitchen, stores, cloakrooms and lavatory accommodation at Chudleigh C.E. School. (b) County Architect, 97 Heavitree Road, Exeter. (c) 2gn, by cheque, payable to council.

**DORKING U.C.** (a) Fixed price tenders for 24 flats on the Goodwyns estate. (b) Council's Clerk, Council Offices, Pippbrook, Dorking, Surrey, together with particulars of similar works previously undertaken, and names of architects from whom references may be obtained. (c) £2, from firms selected to tender. (d) February 13.

**ENFIELD B.C.** (a) 30 flats in three three-storey blocks at Lancaster Road. (b) Borough Engineer, 7 Little Park Gardens, Enfield. (c) 2gn. (d) February 4. (e) March 3.

**ESSEX C.C.** (a) (i) Alterations and additions at Frinton Primary School, estimated to cost £8,250; (ii) alterations and additions at Sible Hedingham C.E. School, estimated to cost £8,500; (iii) erection of Chelmsford Melbourne Park health services clinic, estimated to cost £10,000; (iv) new craft block at Colchester Royal Grammar School, estimated to cost £20,000; and (v) two additional classrooms, etc., at Rettendon Primary School, estimated to cost £6,000. (b) County Architect, County Hall, Chelmsford. (d) January 31.

**HEXHAM R.C.** (a) Construction of new Council Chambers, etc., with alterations to and extensions of the adjoining Council Offices at Prospect House, Hexham. (b) Council's Clerk, Prospect House, Hexham, within the next three weeks.

**HOLLAND C.C.** (a) (i) Old people's home at Holbeach, Lincs; (ii) three-class primary school and ancillary accommodation on Woad Farm estate, Boston; and (iii) two additional classrooms at the girls' high school, Boston. (b) County Architect, County Hall, Boston, Lincs, stating in which contract interested. (c) (i) February 27; (ii) February 17; and (iii) February 9.

**LEITCHWORTH U.C.** (a) 160 houses, 46 garages and 78 garages, together with the construction of roads and sewers at Grange estate, stage VI. (b) Council's Clerk, Council House, Leitchworth, Herts, in writing, to be considered for inclusion in a list of selected contractors. (d) January 31.

**LIVERPOOL C.C.** (a) Erection of (i) additional classrooms, Quarry Bank High School, Liverpool, 18; (ii) extensions, Fazakerley Secondary Modern School, Liverpool, 10; and (iii) Sandfield Park Special School. (b) City Architect and Director of Housing, Blackburn Chambers, Dale Street, Kingsway, Liverpool, 2. (c) 2gn each contract, payable to City Treasurer. (e) February 6.

**LONDON—GREENWICH B.C.** (a) 18 maisonnettes, ten garages and external works on Shooter's Hill Road/Rochester Way site. (b) Town Clerk, Town Hall, Greenwich, S.E.10, with particulars of recent works executed by applicant. (d) February 2.

**LONDON—STEPNEY B.C.** (a) 32 houses in five blocks at Sidney Street housing scheme. (b) Messrs. Sydney Clough, Son & Partners, 39 Devonshire Street, W.1. (c) 10gn. (e) March 3.

**LONDON—STEPNEY B.C.** (a) One block of 12 dwellings and one block of 45 dwellings at Spital Street housing scheme. (b) Borough Engineer and Surveyor, Municipal Offices, 227/233 Commercial Road, E.1. (c) 10gn. (e) February 23.

**LONDON—WALTHAMSTOW B.C.** (a) 20 flats and 17 maisonnettes in a four-storey block together with a block of seven garages on site of 16 and 18 Prospect Hill, Walthamstow, E.17. (b) Borough Architect, Engineer and Surveyor, Town Hall, Walthamstow, E.17. (c) 2gn. (e) February 13.

**MANCHESTER C.C.** (a) Alterations and additions at "The Grange", Wilmslow Road, Withington. (b) City Architect, P.O. Box 488, Town Hall, Manchester. (e) February 11.

**MANCHESTER C.C.** (a) Alterations and improvements to lecture hall at Platt Hall, Rusholme. (b) City Architect, P.O. Box 488, Town Hall, Manchester. (e) February 11.

**MERTHYR TYDFIL B.C.** (a) Erection of stage one of new omnibus garage, comprising new administration building, two storey with basement, footpaths, yards, underground fuel tanks, chassis and body cleaning bays and all services and drains, adaptation of an existing hangar as a garage for 60 buses and tyre store. (b) Town Clerk, Town Hall, Merthyr Tydfil. (c) 3gn (cheques payable to Corporation). (d) February 9.

**NEWBURY AND HUNGERFORD JOINT SLAUGHTERHOUSE COMMITTEE.** (a) Erection of a public slaughterhouse with a throughput of about 12,000 cattle units per annum. (b) Hon. Secretary of the Committee, Municipal Buildings, Newbury, Berks.

**NEWCASTLE UPON TYNE C.C.** (a) Erection of the first stage of the St. Mary Magdalene Hospital, comprising 16 single-storey dwellings, two two-storey dwellings, sick bay, kitchen and laundry at Claremont Road, Newcastle upon Tyne. (b) Messrs. Geo. H. Gray & Partners, 8 Portland Terrace, Newcastle upon Tyne, 2, in writing. (d) January 31. (e) February 28.

**N. IRELAND—ANTRIM C.C.** (a) Construction of carriageway on the Belfast-Larne road. (b) County Surveyor's Office, County Courthouse, Crumlin Road, Belfast. (c) 5gn. (e) February 10.

**N. IRELAND—ANTRIM E.C.** (a) Proposed additions and alterations to Stradbilly Primary School, Dervock, Co. Antrim. (b) Education Office, 475-477 Antrim Road, Belfast. (c) £5. (e) February 13.

**N. IRELAND—DOWN C.E.C.** (a) Piling and pile caps at the new grammar school, Newtownards. (b) Messrs. W. D. R. & R. T. Taggart, 13 College Gardens, Belfast. (c) 5gn. (e) February 5.

**N. IRELAND—ELECTRICITY BOARD.** (a) Supply, delivery and erection at Coolkeeragh power station, Londonderry, of air compressing equipment for (i) General service, (ii) Oil fuel purging. (b) Tender documents in quadruplicate from Messrs. Kennedy & Donkin, 64 Royal Exchange, Manchester, 2. (c) 5gn (cheques payable to the Electricity Board for Northern Ireland). (e) February 24.

# SYSTON



ROLLING  
SHUTTERS  
LEAVE YOU  
SPACE

J. TAYLOR (SYSTON) LTD., SYSTON, Nr. LEICESTER. Tel.: SYSTON 2133/4 and at Manchester RINGway 3996

**N. IRELAND—MINISTRY OF COMMERCE.** (a) Construction of the larger Government factories in Northern Ireland. (b) The Secretary, Ministry of Commerce, Room 28, Chichester House, Chichester Street, Belfast, giving particulars of major contracts over the past two years, including type of building, names of clients and architects, approximate cost and time required for completion, for inclusion in a select list of contractors. (d) February 16.

**N. IRELAND—MINISTRY OF FINANCE.** (a) Erection of five cottages, etc., at Ballentempo Forestry Centre, Co. Fermanagh. (b) Room 103, Law Courts Building, Belfast. (c) £2. (e) February 10.

**N. IRELAND—MINISTRY OF FINANCE.** (a) Erection of training centre at Knockmore, Lisburn, Co. Antrim. (b) Room 103, Law Courts Building, Belfast. (c) £2. (e) February 10.

**NORTH RIDING E.C.** (a) Alterations and extensions to Northallerton Grammar School. (b) J. Leathart & Son, 49 Welbeck Street, London, W.1, or F. Barraclough, County Hall, Northallerton. (c) February 13.

**NORTH RIDING E.C.** (a) Alterations and extensions to girls' high school, Scarborough. (b) Grenfell Baines & Hargreaves, 12-24 Guildhall Street, Preston, or F. Barraclough, County Hall, Northallerton. (c) February 13.

**NORTHUMBERLAND C.C.** (a) Erection of a new kitchen and alterations to existing wash-up at Lesbury C.E. School, Northumberland. (b) County Architect, County Hall, Newcastle upon Tyne, 1, to be considered for inclusion in the list of tenderers. (d) February 2.

**PEMBROKESHIRE C.C.—E.C.** (a) Erection of a new grammar/modern school near Heywood Lane, Tenby, designed to accommodate 810 pupils, consisting of a four-storey teaching block, single-storey assembly hall, kitchen and dining block, and single-storey double-gymnasium block, together with playing areas, surrounding site works, etc. (b) Lieut.-Col. Walter Barrett, County Architect, County Offices, Haverfordwest. (c) 2gn. (d) February 16.

**READING B.C.** (a) Firm price tenders for the erection of an additional classroom at St. Michael's School, Dee Road, Tilehurst. (b) Borough Architect, Town Hall, Reading. (c) February 9.

### UNBREAKABLE PLASTER VENTILATORS LOUVRES AND GRILLES

Full Particulars and Sample on request from:

**COZENS VENTILATORS LTD.**  
2 Kingswood Road, Penge, London, S.E.20  
SYDENHAM SE75

ESTABLISHED OVER 100 YEARS

**J.W. GRAY & SON LTD**  
1 PRINCETON STREET  
BEDFORD ROW, W.C.1  
**LONDON & SALISBURY**  
CHA 8701\*  
SAL. 2750

### CHURCH SPIRE RESTORERS

### RINGMER BUILDING WORKS LTD.

**BUILDERS & CONTRACTORS**

Joinery Specialists

**RINGMER • LEWES • SUSSEX**

Telephone: Lewes 300

Specify

**CERRUX**

DECORATIVE PAINTS

CELLON LTD., KINGSTON-ON-THAMES

### GRANITE SETTS

DELIVERED ANYWHERE

**HARRIS & BAILEY LTD.**

CROYDON

ADDISCOMBE 3181 Ref. Mr. T. A. Jones



Mastic Sealing Compound

SECOMASTIC LIMITED Bracknell Berks. Tel. Bracknell 910

**SALE B.C.** Contract No. 1/1959. (a) Fixed price tenders for the erection of 18 houses on Gratrix Lane estate. (b) Borough Engineer, Town Hall, Sale. (c) 2gn. (e) February 9.

**SCOTLAND — CORPORATION OF GLASGOW.** (a) Several works for proposed primary school at Springfield Road, Elba Lane, Glasgow, E.1. (b) Architectural and Planning Department, 20 Trongate, Glasgow, C.1. (c) February 12.

**SCOTLAND—MIDLOTHIAN C.C.** (a) (i) Several works (in one contract), viz., site preparation, excavation, concrete, brick, internal road and drainage works; carpenter and joiner work; glazier work; plumber work, plaster, cement, tile, terrazzo and roughcast work; case-ment steel sashes; and painter work, (ii) electrical work; and (iii) heating work; in the erection of the new West Calder Primary School. (b) County Clerk, County Buildings, George IV Bridge, Edinburgh, 1, by letter, stating works concerned. (d) February 13.

**SCOTLAND—NORTH OF SCOTLAND HYDRO-ELECTRIC BOARD.** (a) Minor site foundation and building works at Strathleven substation, Strathleven, Dunbartonshire. (b) Board's Chief Electrical and Mechanical Engineer, 16 Rothesay Terrace, Edinburgh. (c) 1gn.

**SCOTLAND — SCOTTISH SPECIAL HOUSING ASSOCIATION.** (a) Separate trades for the erection of 46 houses at Belmont Nursery site, Ayr. (b) Scottish Special Housing Association Ltd., 19 Palmerston Place, Edinburgh, 12.

**SHEFFIELD REGIONAL HOSPITAL BOARD.** (a) Erection of radiotherapy unit, comprising new treatment unit and adaptation of existing wards, at St. George's Hospital, Lincoln, estimated to cost £110,000. (b) Mr. E. F. Wilson, Fulwood House, Old Fulwood Road, Sheffield, 10. (d) February 1.

### DALE ELECTRIC

CONTRACTORS (BIRMINGHAM) LTD.

25, BRISTOL ROAD,

BIRMINGHAM, 5. CAL. 3641

## BOSTWICK METALWORK

OF EVERY DESCRIPTION and  
OUTSTANDING EXCELLENCE

**BOSTWICK GATE & Co. Ltd.**  
SHUTTER

Original Patentees of the Collapsible Gate.

**HYPHE ROAD, WILLESDEN, N.W.10**

Telephone: LADBroke 3661

Architectural  
Sculpture

**Alan Collins**

A.R.C.A.

Figure Sculpture, Heraldry  
Ornament and Inscriptions designed and executed



58 Beversbrook Road, London, N.19  
ARCHway 0739



**ARCHITECTS**

ARE INVITED TO INCLUDE IN THEIR  
LISTS FOR TENDERS THE FOLLOWING  
NAMES OF LEADING—

*Builders &  
Specialists.*

**ABERDEEN**

**Clark & Chapman**  
(Aberdeen) Ltd.  
49 CATHERINE STREET  
Phone: Aberdeen 29013/4  
BUILDING—REINFORCED  
CONCRETE  
CIVIL ENGINEERING, ETC.

**AMERSHAM, Bucks**

**E. S. Gates Ltd.**  
Chalfont Station Road  
Phone: Little Chalfont 2222/3  
Building Contractors

**BINGLEY, Yorks**

**Magnet Joinery Limited**  
Whitley Street  
Phone: Bingley 4401 (5 lines)  
For Standard Joinery & Doors

**BIRMINGHAM**

**Baldwins (Birmingham)**  
Ltd.  
6-12 LANCASTER STREET  
Phone: Aston Cross 3681 (10 lines)  
SPECIALISTS IN BUILDERS AND  
ARCHITECTURAL  
IRONMONGERY

**BIRMINGHAM**

**Magnet Joinery Limited**  
Love Lane, Aston  
Phone: Aston Cross 3291 (3 lines)  
For Standard Joinery & Doors

**BOURNEMOUTH**

**Cooper & ROWE**  
(Contractors) Ltd.  
LION WORKS  
543 WALLISDOWN RD.  
Phone: Winton 6220  
BUILDING AND  
CIVIL ENGINEERING  
CONTRACTORS

**BRISTOL**

**Gardiner, Sons & Co.**  
Ltd.  
MIDLAND WORKS  
WILLWAY STREET  
Phone: 20011  
SPECIALISTS IN  
ARCHITECTURAL  
METALWORK

**BIRMINGHAM**

**Mason Flooring**  
2 Windyridge Road, Walmley,  
Sutton Coldfield  
Ashfield 1724 and Erdington 4642  
MARLEY TILE, WOOD STRIP  
AND BLOCK SPECIALISTS

**BRISTOL, 2**

**St. Thomas**  
**Metal Works Ltd.**  
THE OLD MALTINGS  
STRAIGHT STREET  
BROAD PLAIN  
Phone: 2-6769  
Architectural Wrought Ironwork,  
Staircase Balustrading

**BURSLEM, Stoke O/T**

**Arthur Lewis (Tiles) Ltd.**  
NAVIGATION ROAD  
Phone: Stoke-on-Trent 87368  
WALL AND FLOOR TILES  
SUPPLIED AND FIXED

**CAMBRIDGE**

**J. E. James**  
229 High St., Cottenham  
Phone: Cottenham 328  
Wall & Floor Tile  
CONTRACTOR

**CARDIFF**

**David T. Pickett & Sons**  
(Engineers) Ltd.  
ELM STREET  
Phone: 24771-2

**PICKSON  
ROLLER  
SHUTTER  
DOORS**

**CARDIFF**

**John Morgan (Builders)**  
Ltd.  
NORTHUMBERLAND LODGE  
CATHEDRAL ROAD  
Phone: 23681  
CIVIL ENGINEERING  
CONTRACTORS

**CHISLEHURST, Kent**

**Barlow & Clarke Ltd.**  
Wrought Iron House, Royal Pde.  
Phone: Imperial 4091  
WOODCARVERS, LETTERING  
ARTISTS

**COVENTRY**

**Matterson Huxley &  
Watson (Sales) Ltd.**  
Phone: 64081  
MATTERSON WEATHERSTRIP  
and PIVOT HINGE

**CROYDON**

**Miller & Reid**  
37-39 HANDCROFT ROAD  
Phone: Croy 4780. Estd. 1929  
BUILDERS  
REPAIRS—MAINTENANCE—  
ADAPTATIONS

**DERBY**

**F. C. Construction**  
Co. Ltd.  
City Road  
Phone: 45424  
**SPECIALISTS  
IN  
STRUCTURAL PRECAST  
AND  
PRESTRESSED CONCRETE**

**DUDLEY, Worcs**

**Timmins & Foulkes Ltd.**  
KING STREET, STONE STREET  
AND BRANCHES  
Phone: Dudley 3365 (4 lines)  
SANITARY SPECIALISTS AND  
ARCHITECTURAL  
IRONMONGERY

**EGHAM, Surrey**

**John Drake & Co. (Egham) Ltd.**  
3 Grange Road  
Phone: Egham 2558  
Heating and Ventilation Engineers

**DURHAM**

**Fence Houses**  
**Brickworks Ltd.**  
WOODSTONE VILLAGE  
HOUGHTON-LE-SPRING  
CO. DURHAM  
Phone: Fence Houses 1  
**LUMLEY BRICKS**

**GLASGOW, N.2**

**Heatovent Electric Ltd.**  
LOMOND STREET  
Phone: Possil 8321  
MANUFACTURERS OF  
ELECTRICAL SPACE HEATING  
EQUIPMENT

**GRAVESEND, Kent**

**Hollister's**  
(ELECTRICAL CONTRACTORS)  
LTD.  
22 PARROCK STREET  
Phone: Gravesend 4139  
ELECTRICAL INSTALLATIONS

**GRAYS, Essex**

**Magnet Timber Ltd.**  
London Road  
Phone: Grays Thurrock 2077 (5 lines)  
FOR DOORS AND  
STANDARD JOINERY

**GUILDFORD**

**Cedar Homes Ltd.**  
A Guildcrete Company  
ARTINGTON  
Phone: Guildford 67322  
Insulated Concrete Units. All  
Farm Buildings in Concrete or  
Timber. Cedar Bungalows, etc.

**GUILDFORD**

**Aquaheat (Guildford) Ltd.**  
Racks Close, Quarry Street  
Phone: Guildford 61399  
HEATING ENGINEERS—OIL  
FIRING

**GUILDFORD, Surrey**

**Gabriel Floors Ltd.**  
Sutton Buildings, Onslow Street  
Phone: Guildford 67405  
Specialist Fixers of Wood Block,  
Strip, Parquet, Thermoplastic  
Tile, Rubber, Lino, P.V.C. Tile  
and Sheet

**HARROW, Middx.**

**William OLD Limited**  
NORTH HARROW  
Phone: HARrow 7121 (10 lines)  
CIVIL ENGINEERING AND  
BUILDING CONTRACTORS

**KING'S LANGLEY, Herts**

**E. J. Waterhouse & Sons Ltd.**  
King's Works, Chipperfield  
Phone: King's Langley 2389 & 3636  
Building Contractors, Decorators  
and Heating Engineers

**LIVERPOOL**

**Heaton Tabb & Co. Ltd.**  
55 BOLD STREET  
Phone: Royal 3457/8  
For all Joinery, Decorating,  
Furnishing and Upholstery  
requirements

**LONDON, E.C.1**

**Arco Electrical Ltd.**  
55 HATTON GARDEN  
Phone: HOLborn 3179  
ELECTRICAL CONTRACTORS  
(E.C.A.)

**LONDON, W.1**

**Conveyor & Equipment**  
Co. Ltd.  
9 GREAT PULTENEY STREET  
Phone: Gerrard 9146  
HIRE OF "ANTIMOIST"  
BUILDING DRYERS

**LONDON, W.C.2**

**Charing Cross Electrical**  
Installation Co. Ltd.  
61 Chandos Place  
Phone: TEM 5188/9  
Electrical Contractors (E.C.A.)  
Commercial and Industrial

**LONDON, N.1**

**DANOR**  
**Engineering Limited**  
170 PENTONVILLE ROAD  
Phone: TERminus 0122/3/4  
ELECTRICAL INSTALLATION  
ENGINEERS

**LONDON, N.1**

**The London Flooring Co.**  
Proprietors: Casson Flooring Co.  
15 & 17 CLOUDESLEY ROAD  
Phone: Terminus 6791  
WOOD BLOCK  
PARQUET FLOORING  
CONTRACTORS  
and RENOVATORS

**LONDON, N.5**

**Jannece Flooring Ltd.**  
29 POET'S ROAD  
Phone: Canonbury 4758  
MAGNESITE & TERRAZZO  
FLOORING  
VITREOUS & CERAMIC MOSAIC

**LONDON, N.16**

**The Stamford Asphalt Co.**  
6 Linthorpe Road,  
Phone: STA 9590  
MASTIC ASPHALTE  
CONTRACTORS

**LONDON, N.16**

**J. A. Fitch & Son Ltd.**  
41b BOLEYN ROAD  
Phone: Clissold 6602  
STOREFITTERS — STAIRCASES  
HIGH CLASS JOINERY

**LONDON, N.19**

**Floor Maintenance Co.**  
Fulbrook Mews, Tufnell Park  
Phone: ARCHway 1841  
Parquet and Block Flooring  
Specialists

**LONDON, N.19**

**J. H. Stuart & Sons Ltd.**  
FULBROOK MEWS  
TUFNELL PARK  
Phone: ARCHway 3652 & 7161  
FRENCH POLISHING  
CONTRACTORS  
and Flooring Specialists

**LONDON, N.22**

**J. J. Clancy & Co.**  
54 PALACE GATES ROAD  
Phone: Bowes Park 2157  
Plastering Contractors and  
Granolithic Flooring Specialists



**ARCHITECTS**

ARE INVITED TO INCLUDE IN THEIR  
LISTS FOR TENDERS THE FOLLOWING  
NAMES OF LEADING—

*Builders & Specialists.*

**LONDON, S.E.1****Read & Partners Ltd.**

28-32 HATFIELDS  
STAMFORD ST.

Phone: Waterloo 5858/9

ELECTRICAL INSTALLATIONS  
OF ALL TYPES

**LONDON, S.E.14****The Somerville Barnard  
Construction Co. Ltd.**

ARCHANGEL WORKS, COLD  
BLOW LANE, NEW CROSS

Phone: New Cross 1535 (4 lines)  
CONSTRUCTIONAL  
ENGINEERS

**LONDON, S.E.27****Climax Chemicals Ltd.**

53 NORWOOD HIGH STREET  
Phone: Croydon 7624

CHEMICAL CLEANERS FOR  
URINALS, SOIL STACKS,  
WASTES, DRAINS, etc.

**LONDON, S.W.8****Hibberd Brothers Ltd.**

66 MEADOW ROAD  
Phone: RELiance 1668

HIGH  
CLASS JOINERY

**LONDON, S.W.****G.C. Constructional  
Flooring Co. Ltd.**

CAMBRIDGE AVES., STATION  
YARD, THE QUADRANT,  
RICHMOND, SURREY

Phone: Richmond 6451/2/3  
Specialists in  
Wood Block, Strip Parquet,  
Semiastic Rubber & Cork Tiles, etc.

**LONDON, S.W.6****Mander & Germain Ltd.**

Willowbank Wharf, Putney Bdge  
Fulham. Phone: RENown 5474

Marble and Granite  
Wall Lining and Flooring, etc.

**NOTTINGHAM****FOSTERS Decorations  
and Curtains LTD.**

375 WESTDALE LANE WEST  
Phone: Nottingham 61047

**FURNISHING CONTRACTORS****CURTAINS . BLINDS****STAGE-EQUIPMENT****DECORATING****FLOOR COVERINGS****NOTTINGHAM****H. Parkinson & Sons Ltd.**

13 MORLEY ROAD  
Phone: 40244

BUILDING AND  
PLUMBING CONTRACTORS

**NORWICH****T. Gill & Son (Norwich) Ltd.**

Hall Road  
Phone: 23161/2  
All types of Building Work and  
High Class Joinery

**PLYMOUTH and Devon**

J. W. Spencer Limited  
St. Lawrence Yard, North Hill.  
Phone: Plymouth 63457/8/9  
BUILDING & PUBLIC WORKS  
CONTRACTORS

**PORTSMOUTH, Hants****Waringstone  
CASTLE STREET  
PORTCHESTER**

Phone: Cosham 76431/2  
CAST STONE AND  
CONCRETE PRODUCTS

**REDRUTH, Cornwall****J. W. Spencer Limited**

Phone: Redruth 1139  
BUILDING & PUBLIC WORKS  
CONTRACTORS

**RYHOPE, Co. Durham**

R. G. Finlay Ltd.  
Joinery Works  
Phone: Ryhope 391/2  
BUILDERS & PUBLIC WORKS  
CONTRACTORS

**RIDDINGS, Derby****Geo. Shipman & Son Ltd.**

NEWLANDS DRIVE  
Phone: Leabrooks 511-2

BUILDING AND CIVIL  
ENGINEERING CONTRACTORS

**SOUTHAMPTON**

Gabriel Floors Ltd.  
146 Millbank Street, Northam  
Phone: 20263/4

Specialist Fixers of Wood Block,  
Strip, Parquet, Thermoplastic  
Tile, Rubber, Lino, P.V.C. Tile  
and Sheet

**SOWERBY BRIDGE, Yorks****H. Peel Ltd.**

WAKEFIELD ROAD  
Phone: Halifax 81211

SECTIONAL BUILDINGS IN  
TIMBER AND/OR ASBESTOS

**SURBITON, Surrey****Surrey Heating, Ltd.**

ACE OF SPADES, HOOK RISE  
Phone: LOWer Hook 1107/8/9  
(Head Office)

**DOMESTIC  
and  
INDUSTRIAL  
HEATING  
and  
VENTILATING  
ENGINEERS**

Showroom:  
9 Temple Market, Weybridge

**SOUTHAMPTON****G. P. Hollick & Sons Ltd**

15 Raymond Road  
Phone: Southampton 23980  
FRENCH POLISHING  
CONTRACTORS

**SWINDON, Wilts.**

John Pattison Ltd.  
Bramble Road  
Phone: 4284  
BUILDING AND CIVIL  
ENGINEERING CONTRACTORS  
Also at Cirencester, Glos.

**TONBRIDGE, Kent****E. W. Tyler & Co. Ltd.**

CANNON LANE  
Phone: Tonbridge 4024/5

**PRECAST  
REINFORCED  
CONCRETE  
STRUCTURES  
FOR FARM  
AND FACTORY**

**WAKEFIELD****Abbotts (Sharlston) Ltd.**

CROFTON TOWERS  
DONCASTER RD., CROFTON

Phone: Crofton 358

General Contractors—Specialists  
in Adaptations and Alterations

**WOLVERHAMPTON****Wing & Webb Ltd.**

ST. JAMES'S SQUARE

Phone: Wolverhampton 23637/8

OVER 70 YEARS' EXPERIENCE  
IN ARCHITECTURAL AND  
BUILDERS' IRONMONGERY.  
SCHOOLS, OFFICE BLOCKS,  
FABRIQUES AND ALL TYPES  
OF HOUSING SCHEMES.

**WORTHING****Tarring Joinery Ltd.**

36 HIGH STREET, TARRING

Phone: Worthing 1773

SPECIALISTS IN WOODWORK  
AND JOINERY

**IRVINGS BLINDS**

Complete installations for all purposes—  
shops, hotels, offices, hospitals and the home.  
There is an Irvings Blind for every purpose—  
including Luxaflex Venetian blinds,  
X-ray blinds and Gear Operated blinds and  
a specialised Technical Department  
ready to assist and advise  
on any blind installation.  
Drawing and schemes will be  
prepared without obligation.  
This Brochure FREE on request.

**IRVINGS BLINDS LTD.**

316 Stretford Road,  
Manchester 15.

Telephone: Central 6987/4249  
and at Liverpool, Glasgow, Leeds,  
Sheffield, Blackpool, Colwyn Bay





RAIN WATER

HEADS

BUILDING FRONT

PANELS

Building Front Panels,  
decorative and enduring . . .  
Rainwater heads, elegant as  
they are purposeful . . . these  
are among the specialised  
cast-iron products of Lion  
Foundry.

LION FOUNDRY CO. LTD

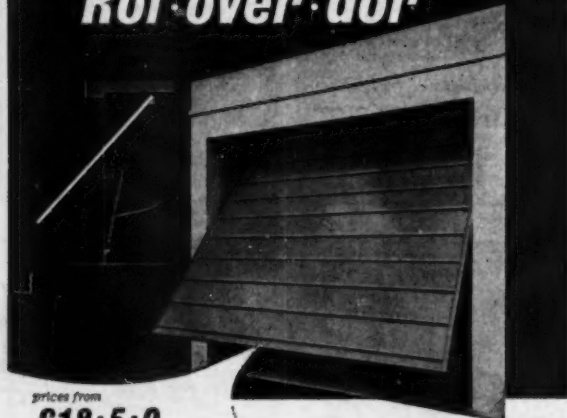
KIRKINTILLOCH

near Glasgow.

Telephone: KIRKINTILLOCH 2231

LONDON OFFICE  
124 VICTORIA STREETTelephone:  
VICtoria 9148

introducing the (all steel)  
**Rol-over-dor**



prices from  
**£18-5-0**  
at works

special prices will  
be quoted for quan-  
tities of 10 or more  
doors, quantities  
over 30 carriage  
paid to any part of  
United Kingdom.

Full details and  
descriptive leaflet  
will be forwarded on  
request.

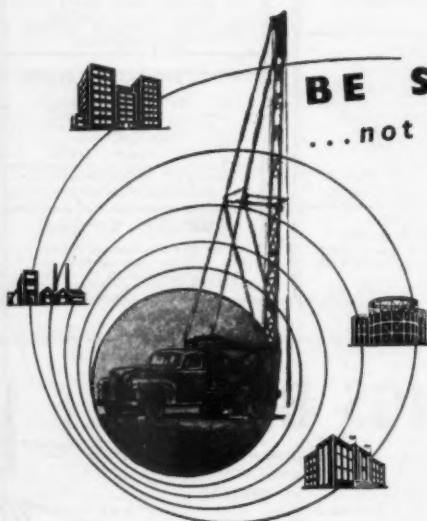
The Rol-over-dor is so perfectly bal-  
anced that it can be operated with extreme ease,  
yet in spite of this ease of operation, its all steel  
(galvanized) construction makes for great  
strength and gives maximum resistance against  
damage by knocks and other pressures.

The Rol-over-dor is supplied with all necessary  
operating gear and is made in the two following  
sizes to fit clear openings between jambs and  
from floor to underside of lintel:

7' 0" wide x 7' 0" high. 6' 0" wide x 7' 0" high.

**made by Haskins**

Gnome House, Blackhorse Lane, Walthamstow, London, E.17 Tel: Larkwood 2622



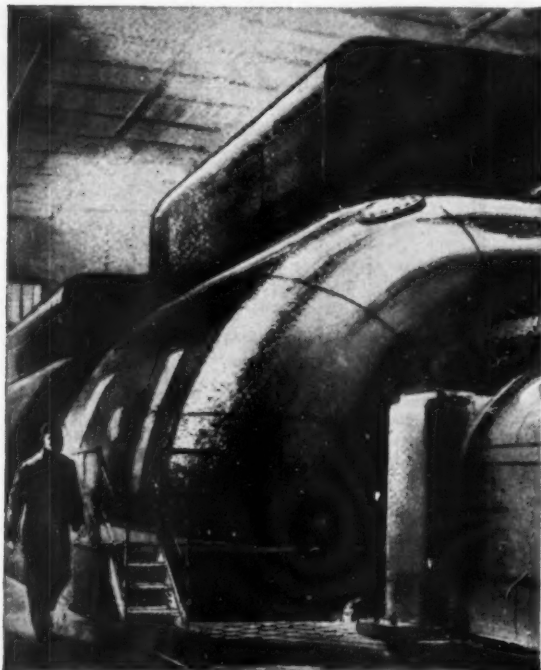
### Trial Borings

to prove strata ...and bore holes for  
water supplies, pumping plant, etc.

Undisturbed Samples Provided if Required

**JOHN THOM**  
*Ltd.*

Telegram: THOM PATRICROFT C  
Telephone: ECCLES 2341-2-3



## The world's largest Generators will help to fill the demand for still more power

The development of nuclear energy for generating electricity is still front-page news. Less publicised, though no less outstanding, are new developments in "conventional" generating plant. The turbo-alternator shown here is a 550,000 kilowatt unit — twice the capacity of the next largest on order for the Central Electricity Generating Board. It has been designed for the projected new power station at Thorpe Marsh. For Blythe 'B', another new station, 275,000 kilowatt in-line units are on order. They will be powered by steam at 2,350 lb. per sq. in. and 1,050°F, with reheat to 1,000°F.

Nuclear power will play an important part in meeting the ever-increasing demand for electricity. Work is now in progress on the first three nuclear power stations, at Bradwell, Berkeley and Hinkley Point. By 1966/7 some 5 to 6

million kilowatts of nuclear-generated electric power will be available.

Though these projects will not be completed for some time, the Central Electricity Generating Board plays an important part in today's fight against inflation. Power stations are being built at a cost no greater than in 1948 — £50 per kilowatt installed. And, although the output of the industry has doubled since 1948, the increase in manpower is only about one-third.

By providing today for the power we shall need in years to come, the Central Electricity Generating Board is building a secure foundation for our future prosperity.



THE CENTRAL ELECTRICITY  
GENERATING BOARD

There  
is  
no  
other

**FLOORING**

equal  
to

INDUSTRIAL VINYL  
**Surfex**  
JOINTLESS FLOORING

- Tough and Hard Wearing
- Seamless and Hygienic

The immaculate appearance of this Surfex floor in a busy laundrette is matched by its toughness and simplicity of cleaning.



A typical Surfex-Surodur, heavy industrial floor withstands all the rigours of a machine shop with ease.

Surfex in a large drawing office. Simply and inexpensively laid by your own builder or maintenance staff—or by our own skilled team.



There is no finer flooring than Surfex, for only Surfex is Fireproof, Seamless, Non-Dusting, impervious to grease, oil, etc. Surfex is available in a wide choice of patterns and colours and goes down on any firm surface. Send also for details of Surfex - Surodur — Heavy Industrial Flooring; Colorazzo—Superfinish hygienic, and Polyflex-Polyvinyl, the original domestic flooring with supervised finish.



**SURFEX FLOORING CO. LTD**

Dept. 'A', 48 High Street, Camberley, Surrey  
Telephone: Camberley 2263

Surfex (Scotland) Ltd., 7 Clyde Place Quay, Glasgow, C.5  
Telephone: South 1859



## For Maximum Reliability

### DECORATIVE PARSOLAC ENAMEL

—the perfect finish for all exterior and interior work  
is highly resistant to sun, weather and chemical influences.

Has brilliant gloss and excellent opacity. Dries to a  
smooth, hard, dirt-resisting finish. Alkyd resin base  
ensures quick drying with a high degree of elasticity.

Supplied in a wide range of colours and in black and white.

### PARSYMUL EMULSION PAINT

Has high opacity and is easy to use. Dries to a tough,  
durable and washable finish. Has no residual odour  
when dry. Is quick drying—two coats can be  
applied in one day where necessary. Supplied in white  
and a wide range of colours.

specify



paints

THOS PARSONS & SONS LTD.

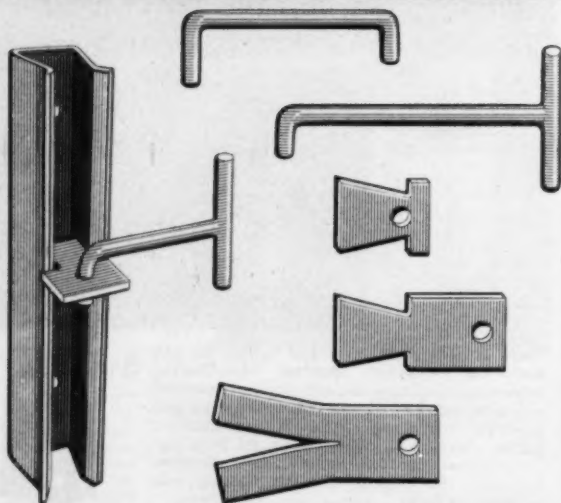
ESTD. 1803

70 GROSVENOR ST., LONDON W.1 MAYFAIR W951

BRANCHES THROUGHOUT THE COUNTRY

## PEROX TWO PIECE ADJUSTABLE CLADDING CRAMPS

PATENT APPLIED FOR



**PEROX ENGINEERING LTD.**  
**TROWBRIDGE, WILTS**



Telephone:  
TROWBRIDGE 2910



## STRUCTURAL MECHANICS

By W. MORGAN, B.SC., A.M.I.STRUCT.E., and  
D. T. WILLIAMS, A.M.I.STRUCT.E.,  
M.SOC.C.E.(France).

This new book commences at the beginning of the  
subject and treats its fundamental principles with  
the simplest mathematics. Graphical and  
calculation methods of determining forces and  
reactions in structures are given and the design of  
simple structural members in timber, steel and  
reinforced concrete is dealt with in detail.

A large number of problems are included also.  
Suitable as a first course in Structures for  
all students of Architecture, Building, Surveying  
and Engineering, the book covers the syllabuses  
of the Intermediate Examination of the R.I.B.A., the  
examinations of the R.I.C.S., and the syllabuses  
of many examinations leading to National  
Certificates, etc.

Illustrated. From all booksellers, 30/- net.

### PITMAN TECHNICAL BOOKS

Parker Street, Kingsway, London, WC2

THERE'S A



**STAIRTREAD  
FOR EVERY TYPE OF STAIR**

\* 19 different nosings : extruded from pure  
aluminium : plastic-filled in 9 colours  
(brown, green, lino brown, blue, maroon,  
black, white, silver, red) : also available  
fabric-filled : suitable for all types of  
stairway : can be supplied to fit almost  
any curve or bend.

To Small & Parkes Ltd. (Stairtreads Dept.), Manchester 9  
PLEASE SEND ME YOUR ILLUSTRATED CATALOGUE  
GIVING DETAILS OF NOSINGS, COLOURS & DIMENSIONS  
OF DON STAIRTREADS—and names of depots and suppliers.

NAME .....

ADDRESS .....

**SMALL & PARKES LTD.** • Hendham Vale Works • Manchester 9  
London: 76 Victoria Street, S.W.1 A.B.30



## INTERNATIONAL SUPERELECTRIC MASTER CLOCK TIME SYSTEM

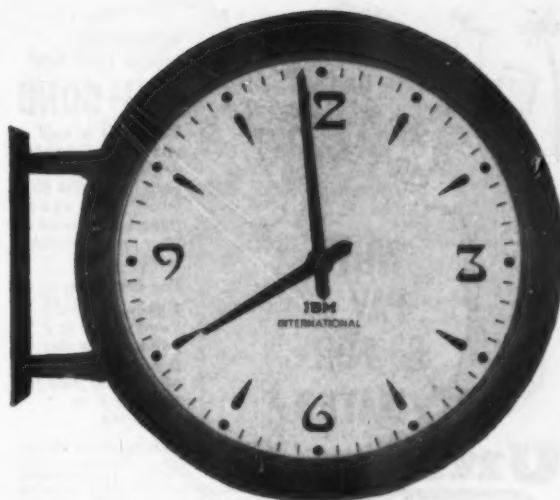
This System controls Electric Clocks  
of all sizes, shapes and styles,  
and, whatever the installation,  
there is the benefit  
of the exclusive feature,  
**AUTOMATIC SUPERVISION,**  
verifying the receipt of sixty impulses  
by each time unit every hour.  
Consistently accurate  
and uniform time is assured.

*A revised issue of "The Odd Minute"  
(just published) showing latest types  
of clocks will be sent on request  
without cost or obligation.  
Architects should ask for booklet  
under ref. J.708/6.*

**IBM**

**INTERNATIONAL  
TIME EQUIPMENT**

International Time Recording      Data Processing  
Electric Typewriters



**IBM UNITED KINGDOM LTD.**  
International Time Recording Division  
**8 Berkeley Square, London, W.1**  
Telephone : MAYfair 2004

And at Birmingham, Glasgow, Manchester, Leeds,  
Sheffield, Liverpool, Newcastle upon Tyne and Bristol

FACTORIES : LONDON AND GREENOCK

## 1858—1958 ONE HUNDRED YEARS OF QUALITY WOODWORK

Does not mean old fashioned ideas and the slavish copying of the past. To prove this, we illustrate part of one of our most recent contracts, the Egerton Hinchley Library, Department of Chemical Engineering, **Imperial College of Science and Technology**, South Kensington. Architects Norman & Dawbarn, Architects and Consulting Engineers. The fittings and furniture in contrasting African Mahogany and Sycamore are in the contemporary idiom. In contrast, we were also responsible for the manufacture of the Pulpit, Bishop's Thrones, Choir Stalls and Organ Gallery stairs in the beautiful Wren Church of St. Lawrence Jewry by Guildhall, recently rehabilitated under the direction of Cecil Brown Esq., F.R.I.B.A. The Brothers Nicholson have designed a series of Office Furniture for us, particulars on request. Church, Office, Library, School and Laboratory, Furniture and Fittings.



## **Geo. M. Hammer & Co. Ltd.**

*'You can trust Hammer's personal service'*

Specialists in Library, Office and Laboratory Furniture

**Crown Works, Hermitage Road, Haringay, London N.4.**

**STAmford Hill 6691-2**

*Craftsmen in woodwork since 1858*



**WHY  
PAY  
£s FOR  
WATER?**

**Uni-Bond**

**BONDS ANYTHING TO ANYTHING**

More and more UNI-BOND, the multi-purpose Bonding Agent, is being used by Joiners, Plasterers, Painters, Decorators, in floor-laying, glazed tiling, and in fact everywhere where timber, metals, hardboard, bricks, tiles and a hundred other materials that require permanently filling, bonding or cementing together. In handy cans, no mixing or heating, clean in use and finish. UNI-BOND is resistant to water, oil and petrol and dilute acids, does not crack or craze.

THERE IS NOTHING SO GOOD AS UNI-BOND  
BACKED BY A MONEY-BACK GUARANTEE  
Send your inquiries to:  
Dept. 'B' THE LIQUITILE SUPPLY COMPANY LIMITED  
48 High Street, Camberley, Surrey  
Telephone: Camberley 2263

**YOU DON'T  
WHEN YOU BUY  
UNI-BOND**

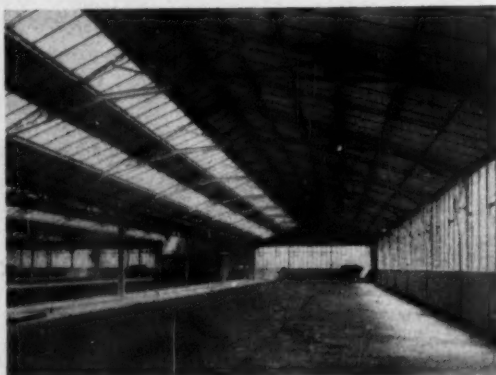
Uni-Bond is sold undiluted, extended or filled, and therefore has treble its value, as it can be filled and diluted to your own particular work.

For instance:  
1 gallon of Uni-Bond added to 2 gallons of water, produces 3 gallons of bonding fluid for plastering or rendering.

The highly concentrated nature of UNI-BOND, unlike many imitations, permits considerable dilution for numerous applications without loss of adhesion. UNI-BOND is the most universal bonding agent used throughout the United Kingdom, by the M.O.W., Admiralty, Air Ministry, War Department, and the largest and leading building contractors, also specified by leading architects.



**TEMPLEX LIGHT STEEL  
FACTORY BUILDINGS**



Fully Illustrated Technical Brochure available

**TEMPLEX HOLDINGS**  
STEEL CONSTRUCTION CO. LTD

110 KINGS RD., SLOANE SQUARE S.W.3  
KENsington 2628 and 2539

Steel Fabricating Works: Cuthbert Street, St. Helen's Road,  
Bolton, Lancs. Bolton 1436 and 5579

Telephone:  
ENField 8383/4/5

Telegrams:  
Quality, Enfield

**Shutter Contractors Ltd.**

LINCOLN WORKS  
GT. CAMBRIDGE ROAD  
ENFIELD, MIDDLESEX

MANUFACTURERS OF

*Quality*  
**ROLLING SHUTTERS**  
in Steel, Wood and  
Aluminium Alloy

Manual, Gear and Electrical Operation  
FOR ALL TYPES OF BUILDINGS

Approved Manufacturers to F.O.C. and L.C.C.  
Requirements.

Contractors to  
H.M. Government — all Departments, Public Utility  
Companies, Councils, Principal Railways, Institutions,  
etc.

Coloured Sandfaced.  
Brickettes. ★ ★ ★  
Coloured Rusticated. ★  
★  
★

**LUMLEY**  
DOUBLE PRESSED  
**BRICKS**

★  
★  
★  
Smooth Red Faced.  
Special Shapes. ★ ★ ★  
Engineering.

*Manufactured in County Durham  
by the largest facing brickmakers  
in the North East*

**FENCE HOUSES**  
**BRICKWORKS LIMITED**

Telephone: Fence Houses One

**IT'S GOOD  
BUSINESS  
SENSE!**

**to study  
the BASIC  
requirements . . . . .**

Stuart's Metallic Faced Tiles provide the perfect flooring when hard wear and tear have to be faced. Incorporating metallic aggregate and hydraulically pressed, they are easy to handle and are quickly fixed. Repairs can be effected in a matter of days. Supplies are available from matured stock.



**LONDON**

105 Baker Street, London, W.1.  
Tel.: Welbeck 2525/6

**BIRMINGHAM**

Northcote Road, Stechford  
Tel.: Stechford 3631/2

**EDINBURGH**

46 Duff Street  
Tel.: Edinburgh 61506

**MANCHESTER**

Ashton Road, Bredbury, Stockport  
Tel.: Woodley 2677/8

**STUART'S**

*Metallic*

**FACED TILES**

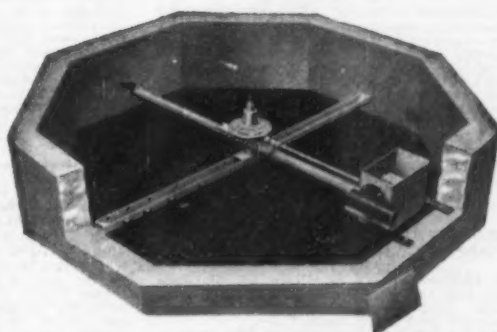
**GRANOLITHIC PAVING SPECIALISTS**

**FOR OVER A CENTURY**

RECONSTRUCTED STONE, REINFORCED CON-  
CRETE CONSTRUCTION AND DESIGN, STONE  
RESTORATION.



**SEWAGE  
PURIFICATION  
PLANT**



**FOR SMALL COMMUNITIES EASILY  
INSTALLED AND REQUIRING A  
MINIMUM OF ATTENTION**

For communities of up to SIXTY HOUSES  
write for Publication No. 52

For communities of up to ONE THOUSAND HOUSES  
write for Publication No. 54



**AMES  
CROSTA  
MILLS**

& CO. LTD., HEYWOOD, LANCASHIRE  
LONDON OFFICE: ABBEY HOUSE, VICTORIA ST., S.W.1

CW 5157



# OFFICIAL ANNOUNCEMENTS APPOINTMENTS • CONTRACTS • TENDERS

Rate: 20/- per inch and pro rata, minimum half inch. Close for press 1st post Monday for following Wednesday Issue

## APPOINTMENTS

THE South-East Metropolitan Regional Hospital Board desire it to be known among practising Architects that they are considering the appointment of an Architect to be responsible for the design and erection of a new hospital at Sidcup, in Kent. Architects who wish to be considered for appointment are invited to inform the Secretary of the Board at 40 Eastbourne Terrace, W.2, and to give details of their qualifications and ability to undertake a commission of this nature. [480]

**County Borough of West Ham**  
Borough Architect and Planning Officer's Department  
APPLICATIONS invited for the established post of  
**Deputy Group Architect**, Special Grade (£750 x £40-£1,030) and London allowance.  
Commencing point in Grade according to experience and qualifications.  
Must be A.R.I.B.A. Application form and details from Borough Architect and Planning Officer, 70 West Ham Lane, Stratford, E.15, returnable by Tuesday, February 10, 1959. [4767]

**Cooper Bros. & John Clayton Ltd.**  
INVITE applications from experienced men for the following appointments:

- Builders' Estimator/Surveyor.**
- Contracts Manager/Building Works Supervisor**
- Builders' Surveyor.**

(a) **Builders' Estimator/Surveyor.** Applicants must have considerable experience in estimating, and must be able to organize and supervise building works in administrative capacity, measure up and complete final accounts for contracts.

(b) **Contracts Manager/Building Works Supervisor.** Applicants must have considerable experience in organizing and supervising building works on various sites simultaneously, from the technical aspect of the business. This appointment is most suitable for a craftsman who has served as a site agent, and is capable of controlling contracts and site agents, general foremen, etc., and will be required to assist a director who acts in this capacity.

(c) **Builders' Surveyor.** Applicants must have considerable experience in builders' quantities, site measurements, interim valuations and final accounts.

All the above appointments are permanent, with good prospects for suitable applicants, and each appointment is pensionable.  
Applications stating age, full particulars, previous experience and salary required, which will be treated in strictest confidence, to be forwarded to the secretary of the above-named building contractors, Catherine Street, Macclesfield, stating clearly appointment for which applying. [4758]

**Borough of Stalybridge**  
Borough Engineer and Surveyor's Department  
**APPOINTMENT OF ARCHITECTURAL ASSISTANT**

**SALARY** within APT II, III or Special Grade depending on qualifications and experience. N.J.C. conditions of service. Housing accommodation provided if required.

Applications on forms which may be obtained from and returned to the undersigned before February 2, 1959.

P. W. MUSER,  
Town Clerk.

18 Stamford Street,  
Stalybridge, Ches. [4764]

**Beeston and Stapleford Urban District Council**  
**JUNIOR ARCHITECTURAL ASSISTANT**  
APPLICATIONS are invited for the above appointment. Salary APT Grade I (£575/£725). Commencing salary according to qualifications and experience.

Applications, accompanied by the names and addresses of two referees, should be forwarded to the Surveyor, Town Hall, Beeston, Nottingham, not later than January 31, 1959. [4771]

**Borough of Wrexham**  
APPLICATIONS are invited for the appointment of Architectural Assistant, salary APT I (£575 to £725 per annum). Point of entry according to qualifications and experience.  
House provided if required.  
Applications to the undersigned by 12 noon, February 9, 1959.

PHILIP J. WATERS,  
Town Clerk.

Guidhall,  
Wrexham.  
January 19, 1959. [4798]

## APPOINTMENTS (cont)

### ASSISTANT ARCHITECTS

REQUIRED in the Regional Architect's office to work on projects connected with the Railway Modernisation Plan. Must be Associates of the R.I.B.A. or have Intermediate and several years' experience. Applicants must have a keen interest in contemporary design and a knowledge of modern structural technique.

Salary range £833/£903 per annum. Prospects of promotion for entrants showing outstanding ability and responsibility.

Residential and other travel concessions available. Apply stating age, experience and qualifications to:

W. R. HEADLEY, A.R.I.B.A., A.A. Dipl.  
Architect  
Chief Civil Engineer's Office  
British Railways (London Midland Region)  
5a Euston Grove, London, N.W.1. [4784]

### County Borough of East Ham Borough Engineer's Department

APPLICATIONS are invited for the following temporary appointments:

**Senior Assistant Architects**, Grade IV (£1,025/£1,175).

**Architectural Assistant**, Grade II (£725/£845).  
London Weighting is paid in addition, and salaries in excess of the minima may be paid according to qualifications and experience. The appointments are for work on a new technical college and are expected to be for a period of not less than three years.

Further details and application forms returnable by February 13, 1959, from the Town Clerk, Town Hall, East Ham, E.6. [4789]

### British Railways Eastern Region

#### ASSISTANT ARCHITECTS

WITH real ability in contemporary design required for office of Architect, Eastern Region, British Railways, King's Cross Station. Applicants should be able to play a responsible part in design, administration and site supervision of buildings which are varied and interesting in character. Applicants should be qualified or should have Inter R.I.B.A. with practical experience. Starting salary £833 p.a. Five-day week and concessionary rail travel, permanency with membership of superannuation scheme to suitable applicants after probationary period. Apply in writing giving age, experience and any qualifications, to Chief Civil Engineer, British Railways, Eastern Region, King's Cross Station, London, N.1. [4794]

### City of Sheffield

**APPOINTMENT OF SENIOR ASSISTANT ARCHITECT (HOUSING)**  
Grade APT IV (£1,025/£1,175)

APPLICATIONS are invited from suitably qualified persons for the above permanent appointment on the staff of the City Architect, Mr. J. L. Womersley.

The person appointed will be required to prepare layouts of housing areas and to design, prepare working drawings and supervise to completion all types of dwellings including multi-storey flats. Preference will be given to applicants with considerable experience of this type of work.

The City's housing programme consists of:  
(i) Estates in outer areas comprising mixed development of houses and flats;  
(ii) Estates in inner areas containing a substantial proportion of high flats;  
(iii) The redevelopment of outworn areas.

The appointment offers considerable scope to progressive architects possessing the requisite qualifications, design ability and experience. Applications stating age, education and training, qualifications, present and past appointments (with dates and salaries), experience and the names of two referees should reach me by Monday, February 9, 1959.

JOHN HEYS,

Town Clerk. [4809]

January 28, 1959.

### London County Council Architect's Department

VACANCIES for Architectural Assistants, starting salary up to £860. Full and interesting programmes of houses, flats, schools and general buildings.

Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council (EK/52/58), County Hall, S.E.1. (2168.) [0166]

## APPOINTMENTS (cont)

### Lanark County Council

**ARCHITECTURAL ASSISTANTS** required for County Architect's Department, Motherwell. Must be A.R.I.B.A. with office experience. Salary scale A & P Grades VI and VII (£880/£1,025). Placing according to qualifications and experience.

In addition to large school building programme, work in the department embraces every aspect of building with exception of housing. Appointments therefore provide excellent opportunity for extending experience on an interesting and varied programme.

Medical examination. Superannuation. No canvassing.

Applications, stating age, qualifications and experience together with names of three referees, should be lodged with County Clerk, P.O. Box 1, Glasgow, within two weeks of date of advertisement. [4806]

### City of Birmingham

#### City Architect's Department

APPLICATIONS are invited for the vacant position of Senior Architect to take control of the Housing Design Section. This is a post which offers great opportunities to a man with a lively interest in progressive design, new development techniques, and layouts. The architect appointed will be responsible for the design, planning and programming of the City's housing projects, which include new building in the redevelopment areas (being comprehensively redeveloped to high density) as well as development of suburban sites, to a total value of approximately £6,000,000 annually. In both types of areas there is scope for great variety in the design of mixed development, including multi-storey flats and maisonettes, shopping schemes, etc.

The salary for this post will be within the Joint Negotiating Committee for Chief Officers Deputies and other Senior Officers' Scale "G" (£1,790 rising by annual increments of £55 to £2,065 per annum) at a commencing salary according to experience.

The post, which is permanent and superannuable, is subject to a medical examination and to three months' notice on either side. Applications, endorsed with the heading of the post, stating age, present position and salary, qualifications and experience, together with the names of two persons to whom reference can be made, should reach the undersigned not later than February 20, 1959.

A. G. SHEPPARD FIDLER,  
City Architect.

Civic Centre,  
Birmingham 1. [4803]

### County Council of Dunbarton

#### County Architect's Department

APPLICATIONS are invited for the following appointments in the County Architect's Department, Radnor Park School, Clydebank:

(a) **Senior Architectural Assistants.** Salary scale (£1,100 x £50-£1,200).

(b) **Architectural Assistants.** Salary scale A & P VII (£945/£1,025).

(c) **Architectural Assistants.** Salary scale A & P VI (£880/£955).

(d) **Architectural Apprentice Draughtsmen.** Salary scale C.S. Division Junior.

(e) **Senior Assistant Quantity Surveyors.** Salary scale A & P VI/VII (£945/£1,085).

Applications for (a), (b) and (c) must be Associates of the R.I.B.A., and the duties will include the design and construction of buildings of the educational, health and housing types, and applicants should also have experience in the surveying and levelling of sites. Applicants for (d) must hold the Scottish Higher Leaving Certificate. Applicants for (e) must be Associates of the R.I.C.S., and placing on the scale will be according to experience.

The appointment is subject to the County Council's Superannuation Scheme, and the successful candidate will require to pass a medical examination.

Canvassing in any form will disqualify and relationship to any member or senior officer of the County Council must be disclosed.

Housing accommodation may be made available. Applications, stating age, qualifications, and previous appointments, with names and addresses of two referees, should be lodged with James Miller, Esq., A.R.I.B.A., County Architect, Radnor Park School, Clydebank, within ten days from date of this advertisement.

ROBERT COOPER,  
County Clerk.

County Buildings,  
Dunbarton. [4800]



## MISCELLANEOUS SECTION

**RATE:** 1/9d per line, minimum 3/6d, average line 6 words. Each para charged separately. Advertisements for Situations Wanted are accepted at the specially reduced rate of 6d per line, minimum 1/6d.

**BOX NOS.** add 2 words plus 1/- for registration and forwarding replies which should be addressed c/o "The Architect & Building News," Dorset House, Stamford Street, London, S.E.1.

**SEMI-DISPLAY** Advertisements with centralized lines are charged at 20/- per inch, and pro rata, minimum half inch.

**PRESS DAY, Monday.** Remittances payable to Messrs. Iliffe & Sons Ltd., Dorset House, Stamford Street, London, S.E.1.

**No responsibility accepted for errors**

### TENDERS

#### City of Birmingham Housing Management Department CLEFT CHESTNUT FENCING

THE Housing Management Committee of the Birmingham Corporation invites Tenders for the supply and delivery of approximately 100,000yd of 3ft Cleft Chestnut Fencing, 10,000yd of 3ft 6in Cleft Chestnut Fencing and 40,000 4ft 6in Stakes, to be supplied during the 12 months commencing April 1, 1959.

The attention of persons submitting tenders is drawn to the following points:

(1) Delivery will be required in 12 equal monthly instalments but deliveries can, if it suits the supplier, be made in advance.

(2) Tenders may be accepted for quantities less than the total amount specified but such tenders must be for not less than 20,000yd of fencing and 6,000 stakes.

Forms of tender can be obtained from the undersigned and should be returned by February 20, 1959.

J. P. MACEY,  
Housing Manager.

Bush House,  
Bromfield Street,  
Birmingham 1. [4795]

#### Borough of Beddington and Wallington ERECTION OF 42 FLATS

THE Corporation will shortly be inviting Tenders for the erection of 42 flats at Mill Green, London Road, Mitcham Junction, Surrey, under the supervision of the Council's architects.

The Corporation propose to obtain tenders by sending a Bill of Quantities to a limited number of contractors, and contractors wishing to tender are invited to apply not later than February 14, 1959.

A. B. BATEMAN,  
Town Clerk.

Town Hall,  
Wallington,  
Surrey. [4808]

### ARCHITECTURAL APPOINTMENTS VACANT

**Rate:** 1/9 per line, minimum 3/6, average line six words.

**ARCHITECTURAL ASSISTANT** required. Varied and interesting work in Architect's Department of brewery company. Should be experienced in surveys of existing premises and preparation of final drawings. Apply by letter only, stating age, experience and salary required to: The Secretary, Matthew Brown & Co. Ltd., Lion Brewery, Blackburn. [4793]

**ARCHITECTURAL ASSISTANTS** of all grades wanted for work on schools, hospitals, housing and general work. Apply in writing, giving full particulars, to Tooley & Foster, Chartered Architects, Midland Bank Chambers, Buckhurst Hill, Essex. [4792]

**ARCHITECTS' CO-PARTNERSHIP** require Qualified Assistant with experience for university work. Write 44 Charlotte Street, W.1, or telephone Langham 5791. [4791]

**ARCHITECTURAL ASSISTANTS** required by London Architects, should have experience of commercial and industrial work and City buildings. Salary £750 to £1,100 according to experience and ability. Five-day week, luncheon vouchers and pension scheme. Write Box JA/122, c/o 95 Bishopsgate, E.C.2. [4805]

**ASSISTANTS** with experience of City Buildings, Commercial and Industrial work required by a large firm of London architects. Salaries from £700 to £1,050 according to ability. Five-day week, luncheon vouchers and pension scheme. Write Box JA/60, c/o 95 Bishopsgate, E.C.2. [4765]

**GOLLINS, MELVIN, WARD & PARTNERS** require Architectural Assistant for their Sheffield office. Write: 281 Glossop Road, Sheffield 10, or telephone 29922, for an appointment. [4807]

### ARCHITECTURAL APPOINTMENTS VACANT (cont)

**DRAUGHTSMAN** required by Chartered Surveyors, S.W.1, for surveys and working drawings. Salary £500/£600 per annum plus luncheon vouchers. Varied work, modern office, five-day week, two weeks' holiday. Write for full particulars to Box 1564. [4787]

**GOLLINS, MELVIN, WARD & PARTNERS** require staff to work on hospital, office and university projects. Age and experience are less important than design ability and enthusiasm. Five-day week, quarterly bonuses, pension scheme. Telephone Welbeck 9991 for appointment. [4749]

**MIDLAND** firm of Architects seek Chief Assistant for new office in Merseyside area. Position should lead to Partnership for right man. Design and organizational ability, experience and good local contacts essential. References will be required. Box 1459. [4773]

**HENING & CHITTY, F.R.I.B.A.**, require Senior and Junior Draughtsmen for design and construction of New Teacher Training Colleges. Write particulars to 30 Percy Street, London, W.1, or telephone MUS 8577. [4785]

**JACKSON & EDMONDS, Architects**, have vacancies for staff in Birmingham and London offices. Salary grades between £500 and £750. Write giving details of training, experience and salary required to 116 Colmore Row, Birmingham 3. [4786]

**MONRO & PARTNERS** require Architectural Draughtsmen for their London office. Salary £600/£800 depending on experience. Five-day week. Apply 32 Clarendon Road, Watford. [4804]

**SCHERRER AND HICKS** require in their London office Architectural Assistants with contemporary outlook willing to use own initiative. Salary £600 to £900. Write giving full particulars of experience and salary required to 19 Cavendish Square, W.1. [4799]

**THURROCK U.D.C.** (Engineers and Surveyors Department) require Architectural Assistant under Architect to the Council. Salary APT III (£845/£1,025 p.a.). Candidates should be Associates of the R.I.B.A., and must be experienced in the design, preparation of drawings and specifications of various building and architectural work undertaken by a local authority. Appointment pensionable. Housing accommodation may be provided if successful candidate resides more than 20 miles from Thurrock. Applications, stating age, qualifications, and experience, and quoting three referees, to Clerk of the Council, Council Offices, Grays, Essex, by February 11, 1959. Canvassing disqualifies. Relationship with members or senior officers of the Council must be disclosed. [4797]

### SITUATIONS WANTED

Advertisements under this heading only are accepted at the specially reduced rate of 6d per line, minimum 1/6.

**A.R.I.B.A.** (38), excellent references, for health reasons seeks free-lance work at home, and offers his services to the profession on hourly basis or by arrangement. Box 1583. [4790]

### WORK WANTED

**AN** efficient and mobile labour force available for contract or sub-contract work. Projects of any description from start to finish covering all trades. Please phone ENfield 8374. [4796]

**G. BARTER & Co.** Industrial Decorative Spray and Brush Painters (labour only on contract). We supply equipment. 1a Whitton Way, Hounslow, Middlesex. HOUnslow 9615, SOUthall 3815. [0083]

### SERVICES OFFERED

**SURVEY** of land or buildings, also drawings, specifications, quantities, final accounts, estimates prepared for new, existing or conversion work. LIV 1839. [0200]

### INSURANCE

**ARCHITECTS' Indemnity Insurance** effected.—Please write for Proposal Form to E. J. Saxby, Incorporated Insurance Broker, 37a Carfax, Hammersham, Sussex. Tel. 3000. [4644]

### FOR SALE

**ALL HARDWOOD MOULDINGS**, plain and embossed, embossed ornaments and dowels. Send for catalogue and today's lowest prices.—Dareve's Moulding Mills Ltd., 60 Pownall Road, Dalston, E.8. Clissold 1543/4. [0142]

**JOINTLESS, COMPOSITION FLOORING** in attractive colour range—quotations free. Full particulars from the Litex Asbestos Flooring Co. Ltd., 3 Corbetta Passage, London, S.E.15, (Dept. A), Bermondsey 4341-2-3. [0622]

**REINFORCING RODS**, 60 tons of Isteeg, in by 40ft lengths. Cheap for quick sale.—J. Thomas & Co., 54 Harbour Road, Swansea. [0202]

### BUILDINGS FOR SALE

**SECOND-HAND** Sectional Timber Buildings, completely reconditioned, delivered free 100 miles, 24ft by 12ft £102; 30ft by 15ft £138; 30ft by 18ft £154; 60ft by 20ft £302. Floors extra. Universal Supplies, Crabtree Manorway, Belvedere, Kent. Erith 2948. [0082]

### MISCELLANEOUS

#### STEEL AND WOVEN TAPES

**REPAIRED** at moderate cost with prompt dispatch. Send a broken tape for trial. Large stocks of new Cheaterman Steel and Woven Tapes in all patterns and lengths. Quotations per return. Quantity discounts. A. W. Phillips & Son (Upton Park) Ltd., 47-51 Plashet Grove, London, E.6. [4689]

### CRANES FOR HIRE

#### CRANE HIRE SPECIALISTS LOWER BRISTOL ROAD, BATH

Consult

**G. W. SPARROW & SONS LTD.**  
with all your lifting problems.

Lifts up to 50 ton : Jib extensions to 170ft  
**COUNTRY WIDE SERVICE**  
Phones : Bath 78158-78450 [0201]

### EDUCATIONAL

**COURSES** for all R.I.B.A. Exams. Postal tuition in Draughtsmanship, Design, History, Construction, Building Science, Structures, Materials Testimonies, Professional Practice, etc. Also Courses for G.C.E. Write for prospectus to the: Ellis School of Architecture (Principal: A. B. Waters, M.B.E., G.M., F.R.I.B.A.), 103C Old Brompton Road, London, S.W.7, and at Albany House, Worcester. [0084]

**GUARANTEED EXAMINATION COACHING** for R.I.B.A., R.I.Ch. Surveyors, I.Qty. Surveyors, I.Mun.E., I.Struct.E., etc. First-class instruction courses in all aspects of Architecture, Building, Draughtsmanship, Surveying, Civil, Municipal, Structural and Sanitary Engineering. Write for free prospectus: International Correspondence Schools, 71 Kingsway, Dept. 518, London, W.C.2. [0167]



FOR over fifty years Libraco Ltd. have been designing and manufacturing furniture and woodwork of all descriptions for

## LIBRARIES SCHOOLS & OFFICES

The illustration shows the new Shoreditch Library, Lending Department. Rebuilt after Bombing and furnished by Libraco Ltd.

Write for illustrated Booklet.

### LIBRACO LIMITED

LOMBARD WALL, WOOLWICH RD., CHARLTON, LONDON, S.E.7  
Telephone : Greenwich 3308 & 3309

## INDEX TO ADVERTISERS

Official Notices, Tenders, Auctions, Legal and Miscellaneous Appointments on pages 120 and 121

Abbotts (Sharlston) Ltd. ....	113	Davies, G., & Sons (Brosbourne) Ltd. ....	88	Ideal Boilers & Radiators Ltd. ....	72	Rawlings Bros. Ltd. ....	42
Adamite Co. Ltd., The. ....	9	Deacon, J. R., Ltd. ....	92	Ironite Co. Ltd. ....	44	Read & Partners Ltd. ....	113
Adams & Benson (Dalbukirk) Ltd. ....	46	Demolition & Construction Co. Ltd. ....	77	Irvings Blinds Ltd. ....	113	Redland Tiles Ltd. ....	34
African Building Board Corp. Ltd. ....	107	Dennison Kett & Co. Ltd. ....	109	Jablo Plastic Industries Ltd. ....	IBC	Redpath Brown & Co. Ltd. ....	4
Ames Crosta Mills & Co. Ltd. ....	119	Denny Mott & Dickson Ltd. ....	23	James, J. E. ....	112	Richardson & Starling Ltd. ....	109
Ancorite Ltd. ....	22	D.J.P. Telephones Ltd. ....	109	Janitor Boilers Ltd. ....	54	Ringmer Building Works Ltd. ....	111
Antiference Installations Ltd. ....	104	Dorman Long & Co. Ltd. ....	16	Jannee Flooring Ltd. ....	112	Roome, E. A., & Co. Ltd. ....	74
Aquaheat (Guildford) Ltd. ....	112	Drake, John, & Co. (Egham) Ltd. ....	112	Jones, J. M., & Sons Ltd. ....	83	Rose, J. B., & Co. Ltd. ....	89
Arco Electrical Ltd. ....	112	Duresco Products Ltd. ....	43	Kearley, C. F., Ltd. ....	62	Ruberoid Co. Ltd., The. ....	95
Arnold, Arthur J., Ltd. ....	82	Duxbury, G., & Sons. ....	86	Key Engineering Co. Ltd. ....	2/3	Rush & Tompkins Ltd. ....	85
Ashby & Horner Ltd. ....	68	Empire Stone Co. Ltd. ....	108	Kind & Co. (Builders) Ltd. ....	70	Sanders, Wm., & Co. (Wednesbury) Ltd. ....	41
Baldwins (Birmingham) Ltd. ....	112	Erskine, Heap, & Co. Ltd. ....	21	Kingston (Architectural Craftsmen) Ltd. ....	101	Seaboard Lumber Sales Co. Ltd. ....	18/19
Barlow & Clarke Ltd. ....	112	F.C. Construction Co. Ltd. ....	112	Lewis, Arthur (Tiles) Ltd. ....	112	Seacrete Products Ltd. ....	33
Barry, Outlere & Shepherd Ltd. ....	13	Fence Houses Brickworks Ltd. ....	118	Lewis, F. J., Ltd. ....	109	Secomastic Ltd. ....	111
Bath & Portland Stone Firms Ltd. ....	50	Ferodo Ltd. ....	71	Libraco Ltd. ....	122	S.F.I.M. (Great Britain) Ltd. ....	29
Bennett Bros. Contractors Ltd. ....	90	Finlay, R. G., Ltd. ....	113	Lilleshall Co. Ltd., The. ....	20	Shipman, Geo., & Son Ltd. ....	113
Biddulph & Thrift Ltd. ....	92	Fitch, J. A., & Son Ltd. ....	112	Lion Foundry Co. Ltd. ....	114	Sindall, William, Ltd. ....	67
Bilston Foundries Ltd. ....	45	Floor Maintenance Co. ....	112	Liquitile Supply Co. Ltd. ....	118	Shutter Contractors Ltd. ....	118
Bolton Gate Co. Ltd. ....	28	Formica Ltd. ....	97	London Electric Firm Ltd. ....	32	Simmons, A. G. (Builders) Ltd. ....	116
Book, Henry, & Sons Ltd. ....	100	Fosters (Decorations & Curtains) Ltd. ....	113	London Flooring Co. ....	112	Small & Parkes Ltd. ....	90
Bostwick Gate & Shutter Co. Ltd. ....	111	Francis & Lewis Ltd. ....	109	Lovell, Y. J., & Son Ltd. ....	93	Smith, William ....	62
Brady, F., & Co. Ltd. ....	35	Gabriel Floors Ltd. ....	112/113	Luxfer Ltd. ....	53	Somerville Barnard Construction Co. Ltd. ....	113
Brady, G., & Co. Ltd. ....	14	Gandy Ltd. ....	49	Magnet Joinery Ltd. ....	112	Sound Control Ltd. ....	10
British Bitumen Emulsions Ltd. ....	104	Gardiner, Sons & Co. Ltd. ....	112	Malthouse, W., Ltd. ....	74	Spencer, J. W., Ltd. ....	113
British Constructional Steelwork Association ....	105	Gates, E. S., Ltd. ....	112	Mander & Germain Ltd. ....	113	St. Thomas Metal Works Ltd. ....	112
British Patent Perforated Paper Co. Ltd. ....	48	Gay, R., & Co. ....	96	Marey Tile Co. Ltd. ....	99	Stamford Asphalt Co. ....	112
British Visqueen Ltd. ....	11	G.C. Constructional Flooring Co. Ltd. ....	113	Marryat & Scott Ltd. ....	60	Standard Patent Glazing Co. Ltd. ....	60
Broughton Moor Green Slate Quarries Ltd., The. ....	106	General Electric Co. Ltd. ....	15	Mason Flooring ....	112	Stella Building Products Ltd. ....	65
Bryant, C., & Sons Ltd. ....	75	Gerrard, J., & Sons Ltd. ....	76	Mather & Platt Ltd. ....	8	Stewarts & Lloyds Ltd. ....	25
Bulgomme ....	102	Gilbert-Ash Ltd. ....	73	Matterson Huxley & Watson (Sales) Ltd. ....	112	Stirton Partners Ltd. ....	86
Bunting Construction Co. Ltd. ....	88	Gill, T., & Son (Norwich) Ltd. ....	113	McKeand Smith & Co. Ltd. ....	64	Stone & Co. (Bristol) Ltd. ....	66
Burgess, E. H., Ltd. ....	78	Goodfry, A. F. R., & Co. Ltd. ....	80	Mealing Bros. Ltd. ....	109	Stramit Boards Ltd. ....	37
Burgess Products Co. Ltd. ....	47	Goodsell, H., & Son Ltd. ....	84	Mellows & Co. Ltd. ....	56	Stuart, J. H., & Sons Ltd. ....	112
Canada, Government of ....	52	Gray, J. W., & Son Ltd. ....	111	Miller, James, & Partners Ltd. ....	86	Stuart's Granolithic Co. Ltd. ....	119
Carter, R. G., Ltd. ....	84	Hall & Kay Ltd. ....	56	Minns, F. J., & Co. Ltd. ....	80	Sundeala Board Co. Ltd. ....	5
Cedar Homes Ltd. ....	112	Hallam, Vic. Ltd. ....	68	Morgan, John (Builders), Ltd. ....	112	Sun-X (Great Britain) Ltd. ....	26
Celion Ltd. ....	111	Halstead, James, Ltd. ....	57	Mowlem, John, & Co. Ltd. ....	90	Surflex Flooring Co. Ltd. ....	115
Cement Marketing Co. Ltd., The. ....	38	Hammer, Geo. M., & Co. Ltd. ....	117	Mullen & Lumsden Ltd. ....	87	Surrey Heating Ltd. ....	113
Central Electricity Generating Board ....	115	Hartley, V. & N., Ltd. ....	24	Nettle Accessories Ltd. ....	58	Tarmac Vinculum Ltd. ....	58
Chamberlin Weatherstrips Ltd. ....	48	Harvey, G. A., & Co. (London) Ltd. ....	103	Newman, Wm., & Sons Ltd. ....	IFC	Tarring Joinery Ltd. ....	113
Charing Cross Electrical Installation Co. Ltd. ....	112	Haskins ....	114	Old, William, Ltd. ....	112	Taylor, J. (System) Ltd. ....	110
Chown, A. T., & Co. Ltd. ....	79	Haunchwood Brick & Tile Co. Ltd. ....	17	Parkinson, H., & Sons Ltd. ....	113	Tees Side Bridge & Engineering Works Ltd. ....	69
Clancy, J. J., & Co. ....	112	Heaton Tabb & Co. Ltd. ....	112	Parsons, Thos., & Sons Ltd. ....	113	Templex Holdings Steel Construction Co. Ltd. ....	118
Clark & Chapman (Aberdeen) Ltd. ....	112	Heatvent Electric Ltd. ....	112	Pattison, John, Ltd. ....	113	Thom, J., Ltd. ....	114
Climax Chemicals Ltd. ....	113	Henry's W. T. Telegraph Works Co. Ltd. ....	113	Peel, H., Ltd. ....	113	Timber Development Association Ltd. ....	59
Collins, Alan, A.R.C.A. ....	111	Hibberd Bros. Ltd. ....	113	Perks, F., & Son Ltd. ....	82	Times Veneer Co. Ltd., The. ....	46
Compactum Ltd. ....	102	Higgs & Hill Ltd. ....	39	Permanite Ltd. ....	109	Timmins & Foulkes Ltd. ....	112
Constel (Structures) Ltd. ....	98	Hill, J. M., & Sons Ltd. ....	91	Perox Engineering Ltd. ....	116	Turner, John, & Sons (Preston) Ltd. ....	81
Conveyor & Equipment Co. Ltd. ....	112	Hills, F., & Sons Ltd. ....	36	Pickering, W. T. (Builders & Contractors), Ltd. ....	78	Turner, E., & Sons Ltd. ....	76
Cooke, Frank (Builders) Ltd. ....	88	Hollick, G. P., & Sons Ltd. ....	113	Pickett, David T., & Sons (Engineers) Ltd. ....	112	Tyler, E. W., & Co. Ltd. ....	113
Cooper & Rowe (Contractors) Ltd. ....	112	Hollisters (Electrical Contractors) Ltd. ....	112	Pitcher, E. G., Ltd. ....	92	Ward, Thos W., Ltd. ....	55
Coughtrie, J. & G., Ltd. ....	27	Honour, J., & Son (Joinery) Ltd. ....	44	Pitman, Sir Isaac, & Sons Ltd. ....	116	Waringstone ....	113
Cowlin, Wm., & Son Ltd. ....	63	Hotchkiss Engineers Ltd. ....	94	Pyrestos Ltd. ....	51	Waterhouse, E. J., & Sons Ltd. ....	112
Cox, William J., Ltd. ....	54	Hughes, F. A., & Co. Ltd. ....	61			Whiting, N., Ltd. ....	40
Cozens Ventilators Ltd. ....	111	Hunt, John, Ltd. ....	84			Whyatt (Builders) Ltd. ....	82
Crittall Manf. Co. Ltd., The. ....	30/31	IBM United Kingdom Ltd. ....	117			Williams & Williams Ltd. ....	6/7
Dale Electric Contractors (B'ham) Ltd. ....	111	Ibstock Brick & Tile Co. Ltd. ....	42			Wing & Webb Ltd. ....	113
Danor Engineering Ltd. ....	112					Winn & Coates Ltd. ....	94

FIRST FOLD HERE

**ARCHITECT & BUILDING NEWS  
READERS' INFORMATION SERVICE**

Catalogues and further information relating to manufacturers' products mentioned in the editorial columns or advertised in this issue will be forwarded if you fill in the sheet overleaf, fold, and post this prepaid form.

Postage  
will be  
paid by  
Licensee

FOLD HERE

No postage  
Stamp  
necessary  
if posted in  
Great Britain  
or  
Northern Ireland

**BUSINESS REPLY FOLDER**  
Licence No. SE 591

**ILIFFE & SONS LTD.,**  
**THE ARCHITECT & BUILDING NEWS**  
Readers' Information Service,  
**DORSET HOUSE,**  
**STAMFORD STREET,**  
**LONDON, S.E.1**

FOLD HERE

TUCK IN THIS END



# ARCHITECT & BUILDING NEWS READERS' INFORMATION SERVICE

Issue dated 28 January 1959

## EDITORIAL REFERENCES

New Products and Information Digest items when published in the editorial columns are consecutively numbered. Please mark those numbers where you would like to receive further information and catalogues. For information on other editorial content enter your inquiry in the space provided.

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60

Other Editorial content:

## ADVERTISED PRODUCTS

Below is an alphabetical list of advertisers in this issue. Please indicate those on which you would like to receive catalogues or further information by a line through the page number.

Abbotts (Sharston) Ltd. ....	113	Davies, G., & Sons (Broxbourne) Ltd. ....	88	IBM United Kingdom Ltd. ....	117	Rawlings Bros. Ltd. ....	42
Adamite Co. Ltd., The ....	9	Deacon, J. R., Ltd. ....	92	Istock Brick & Tile Co. Ltd. ....	42	Read & Partners Ltd. ....	113
Adams & Benson (Dalbirk) Ltd. ....	46	Demolition & Construction Co. Ltd. ....	77	Ideal Boilers & Radiators Ltd. ....	72	Redland Tiles Ltd. ....	34
African Building Board Corp. Ltd. ....	107	Dennison Kett & Co. Ltd. ....	109	Ironite Co. Ltd. ....	44	Redpath Brown & Co. Ltd. ....	4
Ames Crosta Mills & Co. Ltd. ....	119	Denny Mott & Dickson Ltd. ....	23	Irving Blinds Ltd. ....	113	Richardson & Starling Ltd. ....	109
Ancorite Ltd. ....	22	D.J.P. Telephones Ltd. ....	109	Jablo Plastic Industries Ltd. ....	IBC	Ringmer Building Works Ltd. ....	111
Antiference Installations Ltd. ....	104	Dorman Long & Co. Ltd. ....	16	James, J. E. ....	112	Roome, E. A., & Co. Ltd. ....	74
Aquaheat (Guildford) Ltd. ....	112	Drake, John, & Co. (Egham) Ltd. ....	112	James, H. C., Ltd. ....	1	Rose, J. B., & Co. Ltd. ....	89
Arco Electrical Ltd. ....	112	Duresco Products Ltd. ....	43	Janitor Boilers Ltd. ....	54	Ruberoid Co. Ltd., The ....	95
Arnold, Arthur J., Ltd. ....	82	Duxbury, G., & Sons ....	86	Jannece Flooring Ltd. ....	112	Rush & Tompkins Ltd. ....	85
Asbby & Horner Ltd. ....	68	Empire Stone Co. Ltd. ....	108	Jones, J. M., & Sons Ltd. ....	83	Sanders, Wm., & Co. (Wednesbury) Ltd. ....	41
Baldwins (Birmingham) Ltd. ....	112	Erskine, Heap, & Co. Ltd. ....	21	Kearley, C. F., Ltd. ....	62	Seaboard Lumber Sales Co. Ltd. ....	18/19
Barlow & Clarke Ltd. ....	112	F.C. Construction Co. Ltd. ....	112	Key Engineering Co. Ltd. ....	2/3	Sealocrete Products Ltd. ....	33
Barry, Ostlere & Shepherd Ltd. ....	13	Fence Houses Brickworks Ltd. ....	112/118	Kind & Co. (Builders) Ltd. ....	70	Secomastic Ltd. ....	111
Bath & Portland Stone Firms Ltd. ....	50	Ferodo Ltd. ....	71	Kingston (Architectural Craftsmen) Ltd. ....	101	S.F.I.M. (Great Britain) Ltd. ....	29
Bennett Bros. Contractors Ltd. ....	90	Finlay, R. G., Ltd. ....	113	Lewis, Arthur (Tiles) Ltd. ....	112	Shipman, Geo., & Son Ltd. ....	113
Biddulph & Thrift Ltd. ....	92	Fitch, J. A., & Son Ltd. ....	112	Lewis, F. J., Ltd. ....	109	Shutter Contractors Ltd. ....	118
Bilston Foundries Ltd. ....	45	Floor Maintenance Co. ....	112	Libraco Ltd. ....	122	Simmmons, A. G. (Builders) Ltd. ....	90
Bolton Gate Co. Ltd. ....	28	Formica Ltd. ....	97	Lillieshall Co. Ltd., The ....	20	Sindall, William, Ltd. ....	67
Boot, Henry, & Sons Ltd. ....	100	Fosters (Decorations & Curtains) Ltd. ....	113	Lion Foundry Co. Ltd. ....	114	Small & Parkes Ltd. ....	116
Bostwick Gate & Shutter Co. Ltd. ....	111	Francis & Lewis Ltd. ....	109	Liquitile Supply Co. Ltd. ....	118	Smith, William ....	62
Braby, F., & Co. Ltd. ....	35	Gabriel Floors Ltd. ....	112/113	London Electric Firm Ltd. ....	32	Somerville Barnard Construction Co. Ltd. ....	113
Brady, G., & Co. Ltd. ....	14	Gandy Ltd. ....	49	London Flooring Co. ....	112	Sound Control Ltd. ....	10
British Bitumen Emulsions Ltd. ....	104	Gardiner, Sons & Co. Ltd. ....	112	Lovell, Y. J., & Son Ltd. ....	93	Spencer, J. W., Ltd. ....	113
British Constructional Steelwork Association ....	105	Gates, E. S., Ltd. ....	112	Luxfer Ltd. ....	53	St. Thomas Metal Works Ltd. ....	112
British Patent Perforated Paper Co. Ltd. ....	48	Gay, R., & Co. ....	96	Magnet Joinery Ltd. ....	112	Stamford Asphalt Co. ....	112
British Visqueen Ltd. ....	11	G.C. Constructional Flooring Co. Ltd. ....	113	Malthouse, W., Ltd. ....	74	Standard Patent Glazing Co. Ltd. ....	60
Broughton Moor Green Slate Quarries Ltd., The ....	106	General Electric Co. Ltd. ....	15	Mander & Germain Ltd. ....	113	Stella Building Products Ltd. ....	65
Bryant, C., & Sons Ltd. ....	75	Gerrard, J., & Sons Ltd. ....	76	Marley Tile Co. Ltd. ....	99	Stewarts & Lloyds Ltd. ....	25
Bulgomme ....	102	Gilbert-Ash Ltd. ....	73	Marryat & Scott Ltd. ....	60	Stirton Partners Ltd. ....	86
Bunting Construction Co. Ltd. ....	88	Gill, T., & Son (Norwich) Ltd. ....	113	Mason, E. N., & Sons Ltd. ....	12	Straiton Boards Ltd. ....	37
Burgess, E. H., Ltd. ....	78	Godfrey, A. F. R., & Co. Ltd. ....	80	Mason Flooring ....	112	Stuart, J. H., & Sons Ltd. ....	112
Burgess Products Co. Ltd. ....	47	Goodsell, H., & Son Ltd. ....	111	Mather & Platt Ltd. ....	8	Stuart's Granolithic Co. Ltd. ....	119
Canada, Government of ....	52	Gray, J. W., & Son Ltd. ....	111	Matterson Huxley & Watson (Sales) Ltd. ....	112	Sun-X (Great Britain) Ltd. ....	26
Carrier, R. G., Ltd. ....	84	Hall & Kay Ltd. ....	56	McKean Smith & Co. Ltd. ....	64	Sundeala Board Co. Ltd. ....	5
Cedar Homes Ltd. ....	112	Hallam, Vic. Ltd. ....	68	Mealing Bros. Ltd. ....	109	Surflex Flooring Co. Ltd. ....	115
Celion Ltd. ....	111	Halstead, James, Ltd. ....	57	Mellows & Co. Ltd. ....	56	Surrey Heating Ltd. ....	113
Cement Marketing Co. Ltd., The Central Electricity Generating Board ....	115	Hammer, Geo. M., & Co. Ltd. ....	117	Miller & Reid ....	112	Tarmac Vinculum Ltd. ....	58
Chamberlin Weatherstrips Ltd. ....	48	Harris & Bailey Ltd. ....	111	Miller, James, & Partners Ltd. ....	86	Tarring Joinery Ltd. ....	113
Charing Cross Electrical Installation Co. Ltd. ....	112	Hartley, V. & N., Ltd. ....	24	Minns, F. J., & Co. Ltd. ....	80	Taylor, J. (Syston) Ltd. ....	110
Chown, A. T., & Co. Ltd. ....	79	Harvey, G. A., & Co. (London) Ltd. ....	103	Morgan, John (Builders), Ltd. ....	112	Teesside Bridge & Engineering Works Ltd. ....	69
Clancy, J. J., & Co. ....	112	Haskins ....	114	Mowlem, John, & Co. Ltd. ....	90	Templex Holdings Steel Construction Co. Ltd. ....	118
Clark & Chapman (Aberdeen) Ltd. ....	112	Haunchwood Brick & Tile Co. Ltd. ....	17	Mullen & Lumden Ltd. ....	87	Thom, J., Ltd. ....	114
Climax Chemicals Ltd. ....	113	Heaton Tabb & Co. Ltd. ....	112	Nettle Accessories Ltd. ....	58	Timber Development Association Ltd. ....	59
Collins, Alan, A.R.C.A. ....	111	Heatvent Electric Ltd. ....	112	Newman, Wm., & Sons Ltd. ....	IFC	Timmins & Foulkes Ltd. ....	112
Compactum Ltd. ....	102	Henley's W. T. Telegraph Works Co. Ltd. ....	113	Old, William, Ltd. ....	112	Times Veneer Co. Ltd., The ....	46
Constel (Structures) Ltd. ....	112	Hibber Bros. Ltd. ....	113	Parkinson, H., & Sons Ltd. ....	113	Turner, John, & Sons (Preston) Ltd. ....	81
Conveyor & Equipment Co. Ltd. ....	112	Higgs & Hill Ltd. ....	39	Parsons, Thos., & Sons Ltd. ....	116	Turner, E., & Sons Ltd. ....	76
Cooke, Frank (Builders) Ltd. ....	88	Hill, J. M., & Sons Ltd. ....	91	Pattison, John, Ltd. ....	113	Tyler, E. W., & Co. Ltd. ....	113
Cooper & Rowe (Contractors) Ltd. ....	63	Hills, F., & Sons Ltd. ....	36	Peel, H., Ltd. ....	113	Ward, Thos W., Ltd. ....	55
Cowlin, Wm., & Son Ltd. ....	112	Hollick, G. P., & Sons Ltd. ....	113	Perks, F., & Son Ltd. ....	82	Warlingstone ....	113
Coughtrie, J. & G., Ltd. ....	27	Hollisters (Electrical Contractors) Ltd. ....	112	Permanite Ltd. ....	109	Waterhouse, E. J., & Sons Ltd. ....	112
Cox, William J., Ltd. ....	54	Honour, J., & Son (Joinery) Ltd. ....	44	Perox Engineering Ltd. ....	116	Whiting, N., Ltd. ....	40
Coxons Ventilators Ltd. ....	111	Hotchkiss Engineers Ltd. ....	94	Pickering, W. T. (Builders & Contractors), Ltd. ....	78	Whyatt (Builders) Ltd. ....	82
Crittall Manfg. Co. Ltd., The ....	30/31	Hughes, F. A., & Co. Ltd. ....	61	Pickett, David T., & Sons (Engineers) Ltd. ....	112	Williams & Williams Ltd. ....	6/7
Dale Electric Contractors (B'ham) Ltd. ....	111	Hunt, John, Ltd. ....	84	Pitman, Sir Isaac, & Sons Ltd. ....	116	Wing & Webb Ltd. ....	113
Danor Engineering Ltd. ....	112			Pyrestos Ltd. ....	51	Winn & Coates Ltd. ....	94

## PLEASE WRITE IN BLOCK LETTERS

NAME

OCCUPATION

ADDRESS





[Photograph by courtesy of the Dunlop Rubber Co. Ltd.]

**The quietest  
place at  
London Airport**

**JABLITE**

To overcome the constant problem of aircraft noise and give their office staff pleasant working conditions, the **Dunlop Rubber Company** decided to install **Jablite Acoustic Tiles** in their offices at London Airport.

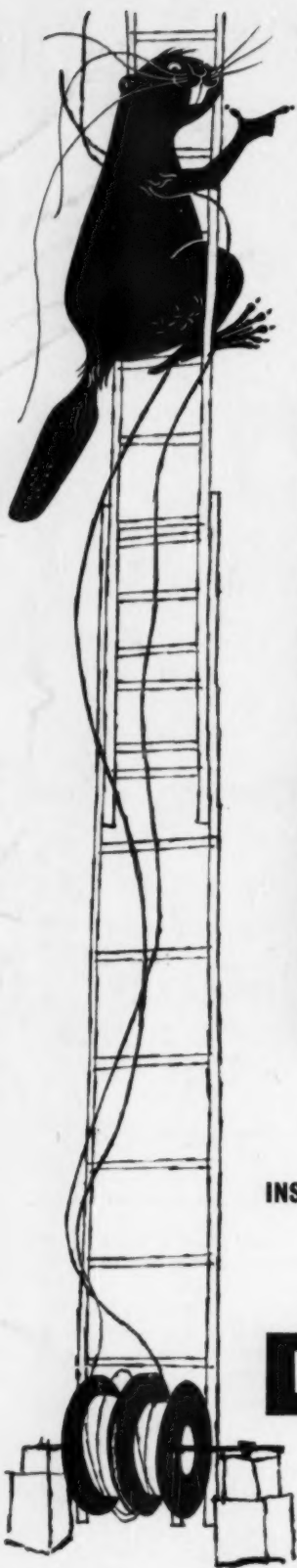
Mr. Richardson, Service Supervisor, remarked: "With aircraft continually passing overhead at very low altitudes it is essential to have a material that enables my staff to work in comfort under these conditions. **Jablite Thermal Acoustic Tiles** give every satisfaction in this respect."

If you have an acoustic problem, why don't you try Jablite acoustic tiles? They give you also the advantage of unrivalled thermal insulation.

Write now for illustrated leaflet giving full particulars to:

**JABLO PLASTICS INDUSTRIES LIMITED**

JABLO WORKS, WADDON, CROYDON, SURREY. TEL.: CROYDON 2201.



Photograph by courtesy of Henry Hope & Sons Ltd., Metal Window Manufacturers

Electrical Contractors: Troughton & Young Ltd., London Architects: J. S. Gibson, Gordon & Montagu

## INSTALLATIONS LIKE THIS CALL FOR **EAGER BEAVER** SERVICE

Henrietta House, fronts Vere Street from Henrietta Place, W.1.

It is an attractive seven-storey building of spacious design and fine decor cabled exclusively with HENLEY p.v.c. wiring cables—nearly 34 miles of them.

# HENLEY

## RUBBER and PLASTIC CABLES

- V.R. Braided and Compounded
- P.V.C. Insulated and Sheathed
- P.V.C. Insulated only
- Polythene Insulated and P.V.C. Sheathed
- V.R. Insulated Tough Rubber Sheathed
- V.R. Insulated Lead Alloy Sheathed
- Flexible Cords—Rubber and Plastic

These are but a few of the wide range of wires and cables available from stock



